

COMMONWEALTH OF PENNSYLVANIA.

BULLETIN No. 170.

FARMERS' INSTITUTES

IN

PENNSYLVANIA,

TO BE HELD UNDER THE AUSPICES OF THE

PENNSYLVANIA DEPARTMENT OF AGRICULTURE.

COMPILED BY

A. L. MARTIN,

Deputy Secretary and Director of Institutes.



SEASON 1908-1909.

HARRISBURG, PA.:
HARRISBURG PUBLISHING CO., STATE PRINTER.
1908.



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PENNSYLVANIA,

TO BE HELD UNDER THE AUSPICES OF THE

Department of Agriculture of the State of Pennsylvania,

DURING THE SEASON OF 1908—1909.



ACT OF THE LEGISLATURE OF MARCH 13, 1895.

"Section 5. That it shall be the duty of the Superintendent of Institutes to arrange them in such manner as to time and places of holding the same, as to secure the greatest economy and efficiency of service, and to this end he shall, in each county where such institutes are to be held, confer and advise with the local member of the State Board of Agriculture, together with representatives duly appointed by each county agricultural, horticultural and other like organizations with reference to the appointment of speakers and other local arrangements."

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LETTER OF TRANSMITTAL.

DEPARTMENT OF AGRICULTURE.

Harrisburg, Pa., *Aug. 1, 1908.*

Hon. N. B. Critchfield, *Secretary of Agriculture:*

Dear Sir: In accordance with the provisions of the Act creating the Department of Agriculture, I have the honor to present herewith the schedule of Farmers' Institutes of Pennsylvania for the season of 1908-1909; also, a complete list of lecturers, with their subjects and their assignments.

Very respectfully,

A. L. MARTIN,
- *Deputy Secretary and Director of Institutes.*



COMMONWEALTH OF PENNSYLVANIA.

DEPARTMENT OF AGRICULTURE.

Division of Institutes.

HARRISBURG, PA., *Aug. 1, 1908.*

To the County Chairmen and Boards of Institute Managers in the
Several Counties of Pennsylvania:

Gentlemen: In presenting this annual Bulletin, we desire to express approval of the work accomplished by most of our County Institute Managers and the committees organized by them, to whom much credit is due for the high degree of success attending the last season's Institutes. We respectfully invite your careful attention to "Suggestions and Directions" on the following pages, which are prepared with reference to the requirements and demands of persons filling the position of County Chairman of Institutes.

SUGGESTIONS TO INSTITUTE MANAGERS.

We recommend that programs for all the Institutes held within a county be printed on connected leaves or sheets. This practice is recommended because of economy in cost of printing, also the wider advertising of the different institutes held within the county.

Prepare program at least thirty days before the date of Institute.

Arrangements should be made with persons in your locality who are to take part on the program either by essay, address or reading, at least eight weeks previous to the meeting.

Have a Question Box, and place it in charge of some competent person who will carefully conduct the same; retain said questions and forward them to the Director of Institutes.

Exclude from Institutes all sectarian and partisan topics.

Print on program the name and postoffice address of Chairman and members of Committees.

Thoroughly advertise the Institute by distributing programs, invitation postal cards, posters, and make use of your local newspapers.

Select a competent secretary to take notes and report proceedings of meeting to local papers.

Invite representatives of newspapers to a place at Recording Secretary's table, and solicit their aid and assistance in reporting proceedings of meeting.

For a two-day Institute, provide for five sessions, taking up not more than two topics at any one session, and where local speakers have places on program, the committee should be careful and see to it that their subjects shall conform to the topics under consideration at that particular session.

Locate Institutes where a suitable hall or church can be procured and the greatest number accommodated, as these meetings are for the benefit of farmers and their families and all others who may be interested.

Extend a personal invitation to your County Superintendent of Public Schools to be present and take part, especially at the educational session, without which no Institute is complete. Invite all farm organizations, school teachers and children. See to it that young men and boys have a special invitation to the Institute.

At least three State speakers will be in attendance, and a list of topics which they are prepared to discuss can be found in another part of this Bulletin. From this list the Committee on Program should select such topics as would most interest the farmers in their section, and place same opposite the lecturer's name on program.

The County Chairman should, as soon as arrangements are completed for holding Institute, enclose to all lecturers expected to be present, a copy of program, with letter designating what railroad station to stop at, and the name of the hotel secured for their accommodation. In case Institute is held at a distance from railroad, speakers must be met by conveyance and taken to Institute. The expense of getting from and to such stations is paid from funds placed in hands of County Chairman.

Remember, the Institute is for the whole county and not merely for the town or locality where held. Begin advertising and do not fail to let the public know of your meeting.

The State is divided into five sections. Beginning November 27, five Institutes will be in session at the same time. Three State speakers will be present at all Institutes, one of whom will be a special representative of the Department and have charge of the section, and may be regarded as an assistant to the presiding officer in the performance of his duties.

It is important that the Chairman of County Board of Institute Managers make a complete report of his Institutes, and mail same to the Director of Institutes as soon as possible after the close of the Institutes. Blanks for this purpose will be forwarded him. All essays of merit, read before Institutes, should be collected by the County Chairman, and forwarded to the Director of Institutes. A number of these essays are published annually in bulletin form, and we regret that space forbids that all can not be published. In selecting essays for publication we find many treating upon the same topic, all of which are meritorious, yet space would forbid the publication of more than one essay upon a given topic. These papers are placed on file for future reference.

DIRECTIONS DEEMED OF FIRST IMPORTANCE IN ORDER TO HOLD A SUCCESSFUL INSTITUTE.

1. The County Chairman should take personal charge of the meeting or select a person who is well qualified to fill the position.

2. The opening exercises should be brief, not consuming more than 30 minutes and may consist of an address of welcome and response or a brief address by the Chairman introducing the speakers who come from a distance.

3. Two topics thoroughly discussed at one session affords the opportunity for more effective instruction than three or four only partially presented.

4. At Educational Session confine all discussions to that important subject, whether the speaker be State or local.

5. Where two evening sessions are held, have one devoted to Educational Subjects and the other to the interests of the Country Home, Its Comforts, Sanitary Conditions and Adornments.

6. Music, properly conducted, is in place at the Institute, but should be introduced as a recreation and be voluntary as no fund is set apart for this purpose.

DIRECTIONS FOR CONSTITUTING LOCAL COMMITTEES ON INSTITUTE WORK IN THE SEVERAL COUNTIES OF PENN- SYLVANIA.

The act of March 13, 1895 (Section 5), makes the following provisions: "That it shall be the duty of the Superintendent of Institutes to arrange them in such manner as to time and places of holding the same, as to secure the greatest economy and efficiency of service, and to this end he shall, in each county where such institutes are to be held, confer and advise with the local member of the State Board of Agriculture, together with the representatives duly appointed by each county agricultural, horticultural or other like organizations, with reference to the appointment of speakers and other local arrangements."

In order to carry this provision of the law into effect, the Director of Institutes directs that these representatives, one from each county organization as stated, duly chosen and properly accredited, together with the County Chairman of Institutes, shall constitute a Board of County Institute Managers, of which the County Chairman of Institutes shall be the Chairman of the said Board. The organizations entitled to representation, are members of the State Board of Agriculture, County Agricultural and Horticultural Societies, Pomona Granges and County Alliances.

The duty of this Board shall be to confer and advise with each other and the Director of Institutes, with reference to the appointment of speakers and other local arrangements for holding institutes.

It shall be the duty of each county organization named to notify the Director of Institutes of the appointment of its representatives, and at the same time give a similar notice to the County Chairman of Institutes.

The County Chairman of Institutes, together with these representatives of the county organizations, shall meet for organization on the second Tuesday in June in each year, at one o'clock P. M., in the county town, at the office of the county commissioners. At this meeting the places for holding institutes for the ensuing season shall be selected, the same to be subject to the approval of the Director of Institutes. An institute committee will also be appointed at this time, for each locality in which institutes are to be held.

The County Chairman of Institutes, and each duly accredited representative of the county organizations in attendance upon this meeting shall, upon the certificate of the Chairman of the Board of Managers, be paid his expenses, not to exceed two dollars.

In these meetings every member shall have equal voice, and the action of the majority shall decide. Notice of the action of the Board shall be sent by the Chairman to the Director of Institutes, within ten days after the meeting.

In case no representative from any county organization of that county shall appear at the meeting on the second Tuesday of June, as stated, then the County Chairman of Institutes shall immediately report the fact to the Director of Institutes and proceed to arrange for the holding of institutes that year, without further consultation with the local organizations.

All moneys allotted to any county, for use in institute work, will be paid to the chairman of the local committee, to be accounted for by him in an itemized statement, audited and signed by auditors appointed by the committee, and then forwarded to this Department, not later than the first day of May in each year.

APPORTIONMENT FOR THE SEASON OF 1908-1909.

In order that the Boards of Institute Managers may have full information in regard to the plans of the Department, as to the institute work for the coming season, the following distribution of time for holding institutes is presented.

The apportionment shows the number of days that the Department will furnish three lecturers to each county for institute work during the season of 1908-1909. It is made on the basis of two days of institute to every county having not over 1,000 farms; three days to each county having more than 1,000 and not over 1,500; afterwards, one day for each 1,500 farms or fraction thereof, additional. This insures Department aid to each county, in proportion to its agricultural interests.

The State has been divided into five sections. A separate set of lecturers will be assigned to each section, and in a given county, the same Department workers will continue until all the institutes in that county have been held.

The amount of money to be distributed to the various managers for local expenses, will be according to the number of days of institutes held. In order to make the amount ample for the coming season, the sum has been fixed at \$12.50 per day of institute. This provides \$25.00 for each two days of institute, to be used for local expenses, such as printing programs, rent of halls, necessary expenses of local managers, etc.

Past experience in most of the counties has shown that the two-day institute is much more economical and efficient than the one-day meeting. In the one-day meeting the time is usually given to the visiting lecturers to the exclusion of local aid, on the ground that the people wish to hear the strangers, and as there is not time to hear all, the visitors are given the preference. This is a serious mistake. The main object of the institute is the development of the local people, and whatever interferes with this ought to be corrected. A two-day institute gives ample time for all to be heard, and provides also for the deliberate and full discussion of matters of interest that may arise. The following is the apportionment for the season:

APPORTIONMENT FOR 1908-1909.

Section 1.		Section 2.		Section 3.		Section 4.		Section 5.	
COUNTY.	Days.	COUNTY.	Days.	COUNTY.	Days.	COUNTY.	Days.	COUNTY.	Days.
Adams, ...	6	Bedford, ...	6	Allegheny, ...	6	Bradford, ...	8	Berks, ...	8
Chester, ...	8	Blair, ...	6	Armstrong, ...	6	Clarion, ...	6	Bucks, ...	8
Cumberland, ...	6	Cambria, ...	6	Butler, ...	6	Clinton, ...	5	Carbon, ...	3
Dauphin, ...	4	Centre, ...	6	Beaver, ...	6	Cameron, ...	4	Columbia, ...	6
Delaware, ...	5	Clearfield, ...	6	Crawford, ...	9	Elk, ...	4	Lehigh, ...	6
Franklin, ...	6	Fulton, ...	4	Fayette, ...	6	Erie, ...	7	Luzerne, ...	5
Lancaster, ...	11	Huntingdon, ...	4	Greene, ...	5	Forest, ...	4	Lackawanna, ...	6
Lebanon, ...	5	Indiana, ...	8	Lawrence, ...	6	Jefferson, ...	4	Monroe, ...	5
Montgomery, ...	8	Juniata, ...	4	Mercer, ...	6	Lycoming, ...	4	Northampton, ...	6
Perry, ...	5	Mifflin, ...	4	Venango, ...	4	McKean, ...	5	Pike, ...	4
Philadelphia, ...	3	Montour, ...	3	Washington, ...	6	Potter, ...	5	Schuylkill, ...	4
York, ...	10	Northumberland, ...	6	Westmoreland, ...	7	Sullivan, ...	2	Susquehanna, ...	7
.....	.....	Snyder, ...	5	.....	.....	Tioga, ...	7	Wayne, ...	7
.....	.....	Somerset, ...	6	.....	.....	Warren, ...	5	.....	.....
.....	.....	Union, ...	4	.....	.....	Wyoming, ...	4	.....	.....
.....									
.....	77	.....	78	.....	73	.....	76	.....	75



COMPLETE LIST
OF
Pennsylvania Farmers' Institutes,
SEASON OF 1908-1909.

Giving the Counties in Alphabetical Order, and the Names and
Address of the Chairman of Each County; also Post-
office and Railroad Station of Place
where Institutes are Held.

DIVISION OF INSTITUTES.

County.	Place.	Postoffice.	Railroad Station.	Date.	Chairman of Institutes.
Adams,	Arendtsville, ...	Arendtsville, ...	Biglerville, ...	Jan. 18-19, ...	A. I. Weidner, Arendtsville.
	East Berlin, ...	East Berlin, ...	East Berlin, ...	Jan. 20-21, ...	
	New Oxford, ...	New Oxford, ...	New Oxford, ...	Jan. 22-23, ...	
Allegheny,	Union Church, ...	Carnegie, R. F. D. No. 3, ...	Moon Run, ...	Dec. 21-22, ...	J. S. Burns, Imperial, R. F. D. No. 1.
	New Texas, ...	Unity, R. F. D., ...	Unity, ...	Feb. 12-13, ...	
Armstrong,	Culmerville, ...	Harmarville, ...	Harmarville, ...	Feb. 15-16, ...	S. S. Blyholder, Neale.
	Apollo, ...	Apollo, ...	Apollo, ...	Feb. 17-18, ...	
	Tidal, ...	Bimerton, ...	Tidal, ...	Feb. 19-20, ...	
Beaver,	Oak Ridge, ...	Oak Ridge, ...	Oak Ridge, ...	Feb. 22-23, ...	A. L. McKibben, New Sheffield.
	Hookstown, ...	Hookstown, ...	Industry, ...	Jan. 4-5, ...	
	Four Mile U. P. Church, ...	Beaver, ...	Beaver, ...	Jan. 6-7, ...	
Bedford,	Emanuel Church, ...	New Brighton, ...	New Brighton, ...	Jan. 8-9, ...	W. Clay Lutz, Bedford.
	Clearville, ...	Clearville, ...	Everett, ...	Dec. 16-17, ...	
	Mench, ...	Mench, ...	Everett, ...	Dec. 18-19, ...	
Berks,	Imilton, ...	Bedford, ...	Bedford, ...	Dec. 21-22, ...	H. G. McGowan, Geigers Mills.
	Huffs Church, ...	Henford, ...	Shamrock, ...	Feb. 24, ...	
	Virginsville, ...	Virginsville, ...	Virginsville, ...	Feb. 25-26, ...	
Blair,	Geigertown, ...	Geigers Mills, ...	Geigertown, ...	Feb. 27, ...	Howard Cox, Bellwood.
	Amityville, ...	Amityville, ...	Douglasville, ...	March 1-2, ...	
	Miflersburg, .....	.....	Womelsdorf, ...	March 3-4, ...	
Blair,	Duncansville, ...	Duncansville, ...	Duncansville, ...	Feb. 10-11, ...	Howard Cox, Bellwood.
	Bellwood, ...	Bellwood, ...	Bellwood, ...	Feb. 12-13, ...	
	Bald Eagle, ...	Bald Eagle, ...	Bald Eagle, ...	Feb. 15-16, ...	

Bradford,	New Albany, ... Ulster, ... Leraysville, ... Lime Hill, ...	New Albany, ... Ulster, ... Leraysville, ... Rummerfield, ...	Nov. 27-28, ... Nov. 30-Dec. 1, ... Dec. 2-3, ... Dec. 4-5, ...	Edwin Platt, Wysox, R. F. D.
Bucks,	Pineville, ... Plumsteadville, ... Sellersville, ... Richlandtown, ...	Penns Park, ... Plumsteadville, ... Sellersville, ... Quakertown, ...	Feb. 1-2, ... Feb. 3-4, ... Feb. 5-6, ... Feb. 8-9, ...	Watson T. Davis, Ivyland.
Butler,	Slipperryrock, ... Renfrew, ... Mars, ...	Slipperryrock, ... Renfrew, ... Mars, ...	Jan. 18-19, ... Jan. 20-21, ... Jan. 22-23, ...	N. F. Bartley, Euclid.
Cambria,	Patton, ... Nicktown, ... Wilmore, ...	Patton, ... Nicktown, ... Wilmore, ...	Jan. 11-12, ... Jan. 13-14, ... Jan. 15-16, ...	H. M. Gooderham, Patton, R. F. D. No. 1.
Cameron,	Sterling Run, ... Sizerville, ... Rich Valley, ... West Creek, ...	Sterling Run, ... Sizerville, ... Emporium, R. F. D., .. Emporium, R. F. D., ..	March 1, ... March 2, ... March 3, ... March 4, ...	W. H. Howard, Emporium.
Carbon,	Bowmanstown, ... Weatherly, ...	Bowmanstown, ... Weatherly, ...	Jan. 16, ... Jan. 18-19, ...	R. A. Eroh, Weatherly.
Centre,	Aaronsburg, ... Pinegrove Mills, ... Stormstown, ...	Aaronsburg, ... Pinegrove Mills, ... Stormstown, ...	Feb. 22-23, ... Feb. 24-25, ... Feb. 26-27, ...	John A. Woodward, Howard.
Chester,	Unionville, ... Oxford, ... Cedarville, ... Beyers, ...	Unionville, ... Oxford, ... Pottstown, ... Beyers, ...	Jan. 13-14, ... Jan. 15-16, ... Feb. 22-23, ... March 1-2, ...	Dr. M. E. Conard, Westgrove.
Clarion,	Tylersburg, ... Fryburg, ... Callensburg, ...	Tylersburg, ... Fryburg, ... Callensburg, ...	Feb. 22-23, ... Feb. 24-25, ... Feb. 26-27, ...	S. X. McClellan, Knox.
Clearfield,	Penfield, ... Troutville, ... Woodland, ...	Penfield, ... Troutville, ... Woodland, ...	Jan. 4-5, ... Jan. 6-7, ... Jan. 8-9, ...	E. M. Davis, Gramplan.

DIVISION OF INSTITUTES—Continued.

County.	Place.	Postoffice.	Railroad Station.	Date.	Chairman of Institutes.
Clinton, ...	Loganton, ...	Loganton, ...	Loganton, ...	Jan. 8-9, ...	Joel A. Herr, Millhall, R. F. D.
	Swissdale, ...	Lock Haven, R. F. D., ...	Lock Haven, ...	Jan. 11-12, ...	
	Woolrich, ...	Woolrich, ...	Lock Haven, ...	Jan. 13-14, ...	
Columbia (Movable Institute School).	Bloomsburg, ...	Bloomsburg, ...	Bloomsburg, ...	Jan. 11-16, ...	A. P. Young, Millville.
Crawford, ...	Townville, ...	Townville, ...	Tyroneville, ...	March 1-2, ...	J. F. Seavy, Saegerstown.
	Linesville, ...	Linesville, ...	Linesville, ...	March 3-4, ...	
	Espyville, ...	Espyville, ...	Espyville, ...	March 5, ...	
(Movable Institute School.)	Meadville, ...	Meadville, ...	Meadville, ...	Feb. 10-13, ...	
Cumberland, ...	Middle Spring, ...	Middle Spring, ...	Shippensburg, ...	Dec. 14-15, ...	J. F. Ferguson, Mechanicsburg.
	New Kingston, ...	New Kingston, ...	New Kingston, ...	Dec. 16, ...	
	Hogestown, ...	Hogestown, ...	Mechanicsburg, ...	Dec. 17, ...	
	Churchtown, ...	Allen, ...	Mechanicsburg, ...	Dec. 18-19, ...	
Dauphin, ...	Matamoras, ...	Powellsvalley, ...	Halfax, ...	Dec. 21-22, ...	S. F. Barber, Harrisburg.
	Berrysburg, ...	Berrysburg, ...	Elizabethville, ...	Jan. 4-5, ...	
Delaware, ...	Media, ...	Media, ...	Media, ...	Jan. 18-19, ...	R. M. Heyburn, Ward.
	Concordville, ...	Concordville, ...	Concordville, ...	Jan. 20-21, ...	
	Newtown Square, ...	Newtown Square, ...	Broad St. Sta., Phila., ...	Jan. 22, ...	
Elk, ...	St. Mary's, ...	St. Mary's, ...	St. Mary's, ...	Feb. 15-16, ...	J. B. Werner, St. Mary's.
	Rasselas, ...	Rasselas, ...	Rasselas, ...	Feb. 17-18, ...	
Erie, ...	Girard, ...	Girard, ...	Girard, ...	Feb. 1-2, ...	Archle Billings, Erie.
(Movable Institute School.)	Millville, ...	Millville, ...	Millville, ...	Feb. 3, ...	
	Erie, ...	Erie, ...	Erie, ...	Feb. 8-11, ...	

Fayette, ...	Dunbar, ...	Dunbar, ...	Dunbar, ...	Feb. 1-2, ...	Sylvester Duff, Smock.
	Perryopolis, ...	Perryopolis, ...	Layton, ...	Feb. 3-4, ...	
Forest, ...	Tionesta, ...	Tionesta, ...	Tionesta, ...	Feb. 10-11, ...	C. A. Randall, Tionesta.
	Marionville, ...	Marionville, ...	Marionville, ...	Feb. 12-13, ...	
Franklin, ...	Fannettsburg, ...	Fannettsburg, ...	Richmond, ...	Nov. 30, ...	J. P. Young, Marion.
	Dryrun, ...	Dryrun, ...	Richmond, ...	Dec. 1-2, ...	
	St. Thomas, ...	St. Thomas, ...	Chambersburg, ...	Dec. 3-4, ...	
	Marion, ...	Marion, ...	Marion, ...	Dec. 5, ...	
Fulton, ...	McConnellsburg, ...	McConnellsburg, ...	Mercersburg, ...	Dec. 11-12, ...	J. L. Patterson, McConnellsburg.
	Hustontown, ...	Hustontown, ...	Mercersburg, ...	Dec. 14-15, ...	
Greene, ...	Waynesburg, ...	Waynesburg, ...	Waynesburg, ...	Dec. 1-2-3, ...	J. W. Stewart, Jefferson.
	Newtown, ...	Kirby, ...	Waynesburg, ...	Dec. 4-5, ...	
Huntingdon, ...	Warriors Mark, ...	Warriors Mark, ...	Warriors Mark, ...	March 1-2, ...	Geo. G. Hutchison, Warriors Mark.
	Alexandria, ...	Alexandria, ...	Alexandria, ...	March 3-4, ...	
	Shirleysburg, ...	Shirleysburg, ...	Shirleysburg, ...	March 5-6, ...	
Indiana, ...	Blairsville, ...	Blairsville, ...	Blairsville, ...	Nov. 27-28, ...	S. M. McHenry, Indiana.
	Dilltown, ...	Dilltown, ...	Dilltown, ...	Nov. 30-Dec. 1, ..	
	Willet, ...	Willet, ...	Creekside, ...	Dec. 2-3, ...	
	Flora, ...	Flora, ...	Rossitor, ...	Dec. 4-5, ...	
Jefferson, ...	Oliveburg, ...	Oliveburg, ...	Punxsutawney, ...	Feb. 17-18, ...	Peter B. Cowan, Brookville, R. F. D.
	Paradise, ...	Reynoldsville, ...	Reynoldsville, ...	Feb. 19-20, ...	No. 4.
Junata, ...	Thompsonstown, ...	Academia, ...	Thompsonstown, ...	Feb. 1-2, ...	Matthew Rodgers, Mexico.
	Academia, ...	Thompsonstown, ...	Port Royal, ...	Feb. 3-4, ...	
Lackawanna, ...	Dalton, ...	Dalton, ...	Dalton, ...	Nov. 30, ...	
	Bald Mount, ...	Clarks Summit, R. F. D., ...	Clarks Summit, ...	Dec. 1, ...	Horace Seamans, Factoryville.
	Fleetville, ...	Dalton, R. F. D., ...	Dalton, ...	Dec. 2, ...	
	Tompkinsville, ...	Jermyn, R. F. D., ...	Jermyn, ...	Dec. 3, ...	
	Madisonville, ...	Madisonville, ...	Moscow, ...	Dec. 4, ...	
	Daleville, ...	Daleville, ...	Moscow, ...	Dec. 5, ...	
Lancaster, ...	Quarryville, ...	Quarryville, ...	Quarryville, ...	Feb. 12-13, ...	
	Lampeter, ...	Lampeter, ...	Lancaster, ...	Feb. 15-16, ...	
	Maytown, ...	Maytown, ...	Marletta, ...	Feb. 17-18, ...	J. Aldus Herr, Lancaster.
	Ephrata, ...	Ephrata, ...	Ephrata, ...	Feb. 19-20, ...	
Summer Institute...	Black Barren Springs, ..	Black Barren Springs, ..	Black Barren Springs, ..	Sept. 2-3, ...	

DIVISION OF INSTITUTES—Continued.

County.	Place.	Postoffice.	Railroad Station.	Date.	Chairman of Institutes.
Lawrence,	East Brook, ...	Skidmore, ...	East Brook, ...	Jan. 11-12, ...	Samuel McCreary, Volant, R. F. D.
	Harlansburg, ...	New Castle, ...	New Castle, ...	Jan. 13-14, ...	
	Plaingrove, ...	Volant, ...	New Castle, ...	Jan. 15-16, ...	
Lebanon,	Jonestown, ...	Jonestown, ...	Jonestown, ...	Jan. 12-13, ...	Edwin Shuey, Lickdale.
	Schaefferstown, ...	Schaefferstown, ...	Richland, ...	Jan. 14-15, ...	
	Campbelltown, ...	Campbelltown, ...	Palmyra, ...	Jan. 16, ...	
Lehigh,	Macungie, ...	Macungie, ...	Macungie, ...	Feb. 17-18, ...	P. S. Fenstermaker, Allentown.
	Neffs, ...	Neffs, ...	Neffs, ...	Feb. 19-20, ...	
	Allentown, ...	Allentown, ...	Allentown, ...	Feb. 22-23, ...	
Luzerne,	Lehman, ...	Lehman, ...	Dallas, ...	Jan. 12-13, ...	J. E. Hildebrant, Dallas, R. F. D.
	White Haven, ...	White Haven, ...	White Haven, ...	Jan. 14-15, ...	
Lycoming,	Montgomery, ...	Montgomery, ...	Montgomery, ...	Dec. 21-22, ...	A. J. Kahler, Hughesville.
	Warrensburg, ...	Warrensburg, ...	Montoursville, ...	Jan. 4-5, ...	
	Jersey Shore, ...	Jersey Shore, ...	Jersey Shore, ...	Jan. 6-7, ...	
McKean, (Movable Inst. School).	East Smethport, ...	East Smethport, ...	East Smethport, ...	Feb. 5-9, ...	L. W. Howden, Coryville.
	Turtle Point, ...	Turtle Point, ...	Turtle Point, ...	Feb. 19-20, ...	
Mercer,	Grove City, ...	Grove City, ...	Grove City, ...	March 1-2, ...	Wm. C. Black, Mercer.
	West Virginia, ...	Sharon, R. F. D. No. 58, Hadley, ...	Oakland, ...	March 3-4, ...	
Mifflin,	Lewistown, ...	Lewistown, ...	Hadley, ...	March 5-6, ...	M. M. Naginey, Milroy.
	Belleville, ...	Belleville, ...	Lewistown, ...	Feb. 5-6, ...	
Monroe,	Shawnee, ...	North Wales Gap, ...	Stroudsburg, ...	Jan. 20-21, ...	Randall Bisbing, East Stroudsburg.
	Brodheads ville, ...	Brodheads ville, ...	Stroudsburg, ...	Jan. 22-23, ...	
	Bassardsville, ...	Bassardsville, ...	Stroudsburg, ...	Jan. 25, ...	

Montgomery, ...	King of Prussia, ...	King of Prussia, ...	Feb. 24-25, ...	Jason Sexton, North Wales.
	East Greenville, ...	East Greenville, ...	Feb. 26-27, ...	
	Center Point, ...	Worcester, ...	March 3-4, ...	
	Schwenksville, ...	Schwenksville, ...	March 5-6, ...	
Montour, ...	Washingtonville, ...	Washingtonville, ...	Feb. 8-9, ...	C. A. Wagner, Ottawa.
	Mooresburg, ...	Mooresburg, ...	Feb. 10, ...	
Northampton, ...	Ackermanville, ...	Ackermanville, ...	Feb. 10-11, ...	Wm. F. Beck, Easton, R. F. D. No. 4.
	Tatamy, ...	Tatamy, ...	Feb. 12-13, ...	
	Bath, ...	Bath, ...	Feb. 15-16, ...	
Northumberland, ..	Dalmatia, ...	Georgetown, ...	Feb. 1-2, ...	I. A. Eschbach, Milton, R. F. D.
	Pottsgrove, ...	Pottsgrove, ...	Feb. 3-4, ...	No. 1.
	McEwensville, ...	McEwensville, ...	Feb. 5-6, ...	
Philadelphia, ...	Bustleton, ...	Bustleton, ...	March 8-9, ...	J. B. Kirkbride, Bustleton.
Perry, ...	Liverpool, ...	Liverpool, ...	Jan. 6-7, ...	A. T. Holman, Millerstown.
	Blain, ...	Blain, ...	Jan. 8-9, ...	
	Ickesburg, ...	Loysville, ...	Jan. 11, ...	
Pike, ...	Faupack, ...	Hawley, ...	Dec. 21-22, ...	B. F. Killam, Faupack.
	Greentown, ...	Gouldsboro, ...	Dec. 23-24, ...	
Potter, ...	Genesee, ...	Genesee, ...	Feb. 22, ...	Horaace H. Hall, Ellensburg.
	Sweden Valley, ...	Coudersport, ...	Feb. 23-24, ...	
	Fishing Creek, ...	Roulet, ...	Feb. 25-26, ...	
Schuylkill, ...	Pinegrove, ...	Pinegrove, ...	March 5-6, ...	W. H. Stout, Pinegrove.
	Pitman, ...	Ashland, ...	March 8-9, ...	
Snyder, ...	Mt. Pleasant Mills, ...	Middleburgh, ...	Feb. 11-12-13, ...	Chas. Miller, Salem.
	Sellingsgrove, ...	Sellingsgrove, ...	Feb. 15-16, ...	
Somerset, ...	Somerset, ...	Somerset, ...	Jan. 18-19-20, ...	J. C. Weller, Rockwood.
	Rockwood, ...	Rockwood, ...	Jan. 21-22, ...	
Sullivan, ...	Muncy Valley, ...	Muncy Valley, ...	Dec. 13-19, ...	E. R. Warburton, Campbellville.
Susquehanna, ...	Auburn Center, ...	Meshoppen, ...	Jan. 4-5, ...	
	Harford, ...	Kingley, ...	Jan. 6-7, ...	F. A. Davies, Montrose.
	Lawton, ...	Montrose, ...	Jan. 8-9, ...	
	Montrose, ...	Montrose, ...	Jan. 11, ...	

DIVISION OF INSTITUTES—Continued.

County.	Place.	Postoffice.	Railroad Station.	Date.	Chairman of Institutes.
Tioga, ...	Wellsboro, ...	Wellsboro, ...	Wellsboro, ...	Jan. 15-16, ...	E. B. Dorsett, Mansfield.
	Mansfield, ...	Mansfield, ...	Mansfield, ...	Jan. 18-19, ...	
	Tioga, ...	Tioga, ...	Tioga, ...	Jan. 20, ...	
	Osceola, ...	Osceola, ...	Osceola, ...	Jan. 21-22, ...	
	Knoxville, ...	Knoxville, ...	Knoxville, ...	Jan. 23, ...	
Union, ...	Winfield, ...	Winfield, ...	Winfield, ...	Feb. 17-18, ...	J. Newton Glover, Vicksburg.
	Laurelton, ...	Laurelton, ...	Glen Iron, ...	Feb. 19-20, ...	
Venango, ...	Breedtown, ...	Breedtown, ...	Breedtown, ...	Feb. 24-25, ...	W. A. Crawford, Cooperstown.
	Polk, ...	Polk, ...	Polk, ...	Feb. 26-27, ...	
Warren, ...	Columbus, ...	Columbus, ...	Columbus, ...	Feb. 4-5, ...	Geo. A. Woodside, Sugargrove.
	Lottsville, ...	Lottsville, ...	Pittsfield, ...	Feb. 6, ...	
	Warren, ...	Warren, ...	Warren, ...	Feb. 8-9, ...	
	Scenery Hill, ...	Scenery Hill, ...	Scenery Hill, ...	Dec. 14-15, ...	
Washington, ...	Finleyville, ...	Finleyville, ...	Finleyville, ...	Dec. 16-17, ...	D. S. Taylor, Raccoon.
	West Middletown, ...	West Middletown, ...	West Middletown, ...	Dec. 18-19, ...	
	Gallilee, ...	Gallilee, ...	Cochestown, ...	Dec. 12, ...	
Wayne, ...	Calkins, ...	Calkins, ...	Narrowsburg, ...	Dec. 14-15, ...	W. E. Perham, Niagara.
	Beech Lake, ...	Beech Lake, ...	White Mills, ...	Dec. 16-17, ...	
	Honesdale, ...	Honesdale, ...	Honesdale, ...	Dec. 18-19, ...	
	Scottdale, ...	Scottdale, ...	Scottdale, ...	Feb. 5-6, ...	
Westmoreland, ...	Harrison City, ...	Harrison City, ...	Harrison City, ...	Feb. 8-9, ...	M. P. Shoemaker, Greensburg.
	New Kensington, ...	New Kensington, ...	New Kensington, ...	Feb. 10-11, ...	
	Tunkhannock, ...	Tunkhannock, ...	Tunkhannock, ...	Dec. 14-15, ...	
Wyoming, ...	Lovelton, ...	Lovelton, ...	Mehoopany, ...	Dec. 16-17, ...	D. A. Knuppenburg, Lake Carey.

PENNSYLVANIA FARMERS' INSTITUTES.

ASSIGNMENT OF LECTURERS BY SECTIONS FOR 1908-1909.

FIRST SECTION. (Part one.)

Dr. M. E. Conard will attend all meetings in Part one of this section.

Date.	Place.	County.	Additional Lecturers.
Nov.	30, Fannettsburg, ...	Franklin, ...	Prof. J. P. Stewart, O. D. Schock and Chas. A. Wilson.
Dec.	1-2, Dry Run, ...	Franklin, ...	Prof. J. P. Stewart, O. D. Schock and Chas. A. Wilson.
Dec.	3-4, St. Thomas, ...	Franklin, ...	Prof. J. P. Stewart, O. D. Schock and Chas. A. Wilson.
Dec.	5, Marion, ...	Franklin, ...	Prof. J. P. Stewart, O. D. Schock and Chas. A. Wilson.
Dec.	14-15, Middle Spring, ...	Cumberland, ...	Prof. Wells W. Cooke, Mrs. Sarah B. F. Zeig- ler and I. A. Eschbach.
Dec.	16, New Kingston, ...	Cumberland, ...	Prof. Wells W. Cooke, Mrs. Sarah B. F. Zeig- ler and I. A. Eschbach.
Dec.	17, Hogestown, ...	Cumberland, ...	Prof. Wells W. Cooke, Mrs. Sarah B. F. Zeig- ler and I. A. Eschbach.
Dec.	18-19, Churchtown, ...	Cumberland, ...	Prof. Wells W. Cooke, Mrs. Sarah B. F. Zeig- ler and I. A. Eschbach.
Dec.	21-22, Matamoras, ...	Dauphin, ...	Prof. Wells W. Cooke, Mrs. Sarah B. F. Zeig- ler and I. A. Eschbach.
Jan.	4-5, Berrysburg, ...	Dauphin, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.
Jan.	6-7, Liverpool, ...	Perry, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.
Jan.	8-9, Blain, ...	Perry, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.

Date.	Place.	County.	Additional Lecturers.
Jan.	11, Ickesburg, ...	Perry, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.
Jan.	12-13, Jonestown, ...	Lebanon, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.
Jan.	14-15, Schaefferstown, ..	Lebanon, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.
Jan.	16, Campbelltown, ...	Lebanon, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.
Jan.	18-19, Arendtsville, ...	Adams, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.
Jan.	20-21, East Berlin, ...	Adams, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.
Jan.	22-23, New Oxford, ...	Adams, ...	S. Paul Woodman, Wm. H. Wolff and Miss A. C. Baker.
Feb.	1-2, Stewartstown, ...	York, ...	Harry Wolsiefer and Robt. S. Seeds.
Feb.	3-4, Loganville, ...	York, ...	Harry Wolsiefer and Robt. S. Seeds.
Feb.	5-6, Red Lion, ...	York, ...	Harry Wolsiefer, Robt. S. Seeds and Mrs. Mol- lie MacClaghry Allen.
Feb.	5-6, Manchester, ...	York, ...	Harry Wolsiefer, Robt. S. Seeds and Mrs. Mol- lie MacClaghry Allen.
Feb.	8-9, Rossville, ...	York, ...	J. H. Ledy, Robt. S. Seeds and Mrs. Mollie MacClaghry Allen.
Feb.	10-11, Dillsburg, ...	York, ...	J. H. Ledy, Robt. S. Seeds and Mrs. Mollie MacClaghry Allen.
Feb.	12-13, Quarryville, ...	Lancaster, ...	J. H. Ledy, Robt. S. Seeds and Mrs. Mollie MacClaghry Allen.
Feb.	15-16, Lampeter, ...	Lancaster, ...	J. H. Ledy, Robt. S. Seeds and Mrs. Mollie MacClaghry Allen.
Feb.	17-18, Maytown, ...	Lancaster, ...	J. H. Ledy, Robt. S. Seeds and Mrs. Mollie MacClaghry Allen.
Feb.	19-20, Ephrata, ...	Lancaster, ...	J. H. Ledy, Robt. S. Seeds and Mrs. Mollie MacClaghry Allen.
Feb.	22-23, Cedarville, ...	Chester, ...	W. Theo. Wittman and J. H. Ledy.

Date.	Place.	County.	Additional Lecturers.
Feb.	24-25, King of Prussia,	Montgomery, ...	W. Theo. Wittman, J. H. Ledy and Prof. R. L. Watts.
Feb.	26-27, East Greenville, ..	Montgomery, ...	W. Theo. Wittman, J. H. Ledy and Prof. R. L. Watts.
March	1-2, Beyers, ...	Chester, ...	W. Theo. Wittman, E. E. Callahan and Prof. R. L. Watts.
March	3-4, Center Point, ...	Montgomery, ...	W. Theo. Wittman, E. E. Callahan and Miss Sara Phillips Thomas.
March	5-6, Schwenksville, ...	Montgomery, ...	W. Theo. Wittman, E. E. Callahan and Miss Sara Phillips Thomas.
March	8-9, Bustleton, ...	Philadelphia, ...	W. Theo. Wittman, E. E. Callahan and Miss Sara Phillips Thomas.

FIRST SECTION. (Part two.)

T. J. Philips will attend all meetings in Part two of this section.

Jan.	13-14, Unionville, ...	Chester, ...	M. S. McDowell, P. H. Hertzog, Prof. Alva Agee and Dr. Louis A. Klein.
Jan.	15-16 Oxford, ...	Chester, ...	M. S. McDowell, P. H. Hertzog, Prof. Alva Agee and Dr. Louis A. Klein.
Jan.	18-19, Media, ...	Delaware, ...	M. S. McDowell, P. H. Hertzog and Miss Sara Phillip Thomas.
Jan.	20-21, Concordville, ...	Delaware, ...	M. S. McDowell, P. H. Hertzog and Miss Sara Phillip Thomas.
Jan.	22, Newtown Square, ..	Delaware, ...	M. S. McDowell, P. H. Hertzog and Miss Sara Phillip Thomas.

SECOND SECTION. (Part one.)

L. W. Lighty and Dr. J. H. Funk will attend all meetings in Part one of this section.

Date.	Place.	County.	Additional Lecturers.
Nov.	27-28, Blairsville, ...	Indiana, ...	T. J. Wagner and Mrs. Mary A. Wallace.
Nov.	30-Dec. 1, Dilltown, ...	Indiana, ...	T. J. Wagner and Mrs. Mary A. Wallace.
Dec.	2-3, Willet, ...	Indiana, ...	T. J. Wagner and Mrs. Mary A. Wallace.
Dec.	4-5, Flora, ...	Indiana, ...	T. J. Wagner and Mrs. Mary A. Wallace.
Dec.	11-12, McConnellsburg, ...	Fulton, ...	E. L. Phillips.
Dec.	14-15, Hustonton, ...	Fulton, ...	E. L. Phillips.
Dec.	16-17, Clearville, ...	Bedford, ...	E. L. Phillips.
Dec.	18-19, Mench, ...	Bedford, ...	E. L. Phillips.
Dec.	21-22, Imlerton, ...	Bedford, ...	E. L. Phillips.
Jan.	4-5, Penfield, ...	Clearfield, ...	Fred W. Card and Mrs. Mary A. Wallace.
Jan.	6-7, Troutville, ...	Clearfield, ...	Fred W. Card and Mrs. Mary A. Wallace.
Jan.	8-9, Woodland, ...	Clearfield, ...	Fred W. Card and Mrs. Mary A. Wallace.
Jan.	11-12, Patton, ...	Cambria, ...	Fred W. Card and Mrs. Mary A. Wallace.
Jan.	13-14, Nicktown, ...	Cambria, ...	Fred W. Card and Mrs. Mary A. Wallace.
Jan.	15-16, Wilmore, ...	Cambria, ...	Fred W. Card and Mrs. Mary A. Wallace.
Jan.	18-19-20, Somerset, ...	Somerset, ...	Fred W. Card and Mrs. Mary A. Wallace.
Jan.	21-22, Rockwood, ...	Somerset, ...	Fred W. Card and Mrs. Mary A. Wallace.
Feb.	1-2, Dalmatia, ...	Northumberland, ..	R. J. Weld.
Feb.	3-4, Pottsgrove, ...	Northumberland, ..	R. J. Weld.
Feb.	5-6, McEwensville, ...	Northumberland, ..	R. J. Weld.
Feb.	8-9, Washingtonville, ..	Montour, ...	R. J. Weld.
Feb.	10, Mooresburg, ...	Montour, ...	R. J. Weld.
Feb.	11-12-13, Mt. Pleasant Mills, ..	Snyder, ...	R. J. Weld.
Feb.	15-16, Selinsgrove, ...	Snyder, ...	R. P. Kester.
Feb.	17-18, Winfield, ...	Union, ...	R. P. Kester.
Feb.	19-20, Laurelton, ...	Union, ...	R. P. Kester.
Feb.	22-23, Aaronsburg, ...	Centre, ...	R. P. Kester.
Feb.	24-25, Pine Grove Mills, ..	Centre, ...	R. P. Kester.
Feb.	26-27, Stormstown, ...	Centre, ...	R. P. Kester.
March	1-2, Warriors Mark, ..	Huntingdon, ...	R. P. Kester.
March	3-4, Alexandria, ...	Huntingdon, ...	R. P. Kester.
March	5-6, Shirleysburg, ...	Huntingdon, ...	R. P. Kester.

SECOND SECTION. (Part two.)

T. J. Philips, Richard D. Barclay and A. J. Kahler will attend all meetings in Part two of this section.

Date.	Place.	County.	Additional Lecturers.
Feb.	1-2, Thompsonstown, ...	Juniata, ...	E. S. Hoover.
Feb.	3-4, Academia, ...	Juniata, ...	E. S. Hoover.
Feb.	5-6, Lewistown, ...	Mifflin, ...	E. S. Hoover.
Feb.	8-9, Belleville, ...	Mifflin, ...	F. H. Fassett.
Feb.	10-11, Duncansville, ...	Blair, ...	F. H. Fassett.
Feb.	12-13, Bellwood, ...	Blair, ...	F. H. Fassett.
Feb.	15-16, Bald Eagle, ...	Blair, ...	F. H. Fassett.

THIRD SECTION. (Part one.)

J. H. Peachey will attend all meetings in Part one of this section.

Date.	Place.	County.	Additional Lecturers.
Dec.	1-2-3, Waynesburg, ...	Greene, ...	Prof. J. P. Pillsbury and W. M. C. Drake.
Dec.	4-5, Newtown, ...	Greene, ...	Prof. J. P. Pillsbury and W. M. C. Drake.
Dec.	14-15, Scenery Hill, ...	Washington, ...	Prof. Wm. G. Owens, W. M. C. Drake and Homer W. Jackson.
Dec.	16-17, Finleyville, ...	Washington, ...	Prof. Wm. G. Owens, W. M. C. Drake and Homer W. Jackson.
Dec.	18-19, West Middletown, ...	Washington, ...	Prof. Wm. G. Owens, W. M. C. Drake and Homer W. Jackson.
Dec.	21-22, Union Church, ...	Allegheny, ...	Prof. Wm. G. Owens, W. M. C. Drake and Homer W. Jackson.
Jan.	4-5, Hookstown, ...	Beaver, ...	D. H. Watts and Prof. Wells W. Cooke.
Jan.	6-7, Four Mile U. P. Church, ...	Beaver, ...	D. H. Watts and Prof. Wells W. Cooke.
Jan.	8-9, Emanuel Church, ...	Beaver, ...	D. H. Watts and Prof. Wells W. Cooke.
Jan.	11-12, East Brook, ...	Lawrence, ...	D. H. Watts and Clar- ence C. McCurdy.
Jan.	13-14, Harlansburg, ...	Lawrence, ...	D. H. Watts and Clar- ence C. McCurdy.
Jan.	15-16, Plaingrove, ...	Lawrence, ...	D. H. Watts and Clar- ence C. McCurdy.
Jan.	18-19, Slippery Rock, ...	Butler, ...	D. H. Watts, Prof. Wells W. Cooke and H. E. Moats.

Date.	Place.	County.	Additional Lecturers.
Jan.	20-21, Renfrew, ...	Butler, ...	D. H. Watts, Prof. Wells W. Cooke and H. E. Moats.
Jan.	22-23, Mars, ...	Butler, ...	D. H. Watts, Prof. Wells W. Cooke and H. E. Moats.
Feb.	1-2, Dunbar, ...	Fayette, ...	R. F. Schwarz, W. C. Black and B. Monroe Posten.
Feb.	3-4, Perryopolis, ...	Fayette, ...	R. F. Schwarz, W. C. Black and B. Monroe Posten.
Feb.	5-6, Scottdale, ...	Westmoreland, ...	R. F. Schwarz, W. C. Black and B. Monroe Posten.
Feb.	8-9, Harrison City, ...	Westmoreland, ...	R. F. Schwarz, Geo. E. Hull and B. Monroe Posten.
Feb.	10-11, New Kensington, ...	Westmoreland, ...	R. F. Schwarz, Geo. E. Hull and B. Monroe Posten.
Feb.	12-13, New Texas, ...	Allegheny, ...	R. F. Schwarz, Geo. E. Hull and B. Monroe Posten.
Feb.	15-16, Culmerville, ...	Allegheny, ...	R. F. Schwarz and B. Monroe Posten.
Feb.	17-18, Apollo, ...	Armstrong, ...	R. F. Schwarz and B. Monroe Posten.
Feb.	19-20, Tidal, ...	Armstrong, ...	R. F. Schwarz and B. Monroe Posten.
Feb.	22-23, Oak Ridge, ...	Armstrong, ...	R. F. Schwarz and B. Monroe Posten.
Feb.	24-25, Breedtown, ...	Venango, ...	R. F. Schwarz and B. Monroe Posten.
Feb.	26-27, Polk, ...	Venango, ...	Prof. T. I. Mairs and B. Monroe Posten.
March	1-2, Grove City, ...	Mercer, ...	Prof. T. I. Mairs, J. W. Cox and H. E. Moats.
March	3-4, West Virginia, ...	Mercer, ...	Prof. T. I. Mairs, J. W. Cox and H. E. Moats.
March	5-6, Hadley, ...	Mercer, ...	Prof. T. I. Mairs, J. W. Cox and H. E. Moats.

THIRD SECTION. (Part two.)

T. J. Philips, Prof. H. E. Van Norman and Prof. Alva Agee will attend all meetings in Part two of this section.

March	1-2, Townville, ...	Crawford,
March	3-4, Linesville, ...	Crawford,
March	5, Espyville, ...	Crawford,

FOURTH SECTION. (Part one.)

J. T. Campbell will attend all meetings in Part one of this section.

Date.	Place.	County.	Additional Lecturers.
Nov.	27-28, New Albany, ...	Bradford, ...	H. W. Northup, Leon Otice Van Noy and Mrs. Mollie MacCloughry Allen.
Nov.	30-Dec. 1, Ulster, ...	Bradford, ...	H. W. Northup, Leon Otice Van Noy and Mrs. Mollie MacCloughry Allen.
Dec.	2-3, Leraysville, ...	Bradford, ...	H. W. Northup, Leon Otice Van Noy and Mrs. Mollie MacCloughry Allen.
Dec.	4-5, Lime Hill, ...	Bradford, ...	H. W. Northup, Leon Otice Van Noy and Mrs. Mollie MacCloughry Allen.
Dec.	14-15, Tunkhannock, ...	Wyoming, ...	Joel A. Herr, M. S. Bond and A. W. Stephens.
Dec.	16-17, Lovelton, ...	Wyoming, ...	Joel A. Herr, M. S. Bond and A. W. Stephens.
Dec.	18-19, Muncy Valley, ...	Sullivan, ...	Joel A. Herr, M. S. Bond and A. W. Stephens.
Dec.	21-22, Montgomery, ...	Lycoming, ...	Joel A. Herr, M. S. Bond and A. W. Stephens.
Jan.	4-5, Warrensville, ...	Lycoming, ...	M. N. Clark, H. M. Gooderman and R. F. Schwarz.
Jan.	6-7, Jersey Shore, ...	Lycoming, ...	M. N. Clark, H. M. Gooderman and R. F. Schwarz.
Jan.	8-9, Loganton, ...	Clinton, ...	M. N. Clark, H. M. Gooderman and R. F. Schwarz.
Jan.	11-12, Swissdale, ...	Clinton, ...	Prof. Chas. L. Penny and R. F. Schwarz.
Jan.	13-14, Woolrich, ...	Clinton, ...	Prof. Chas. L. Penny and R. F. Schwarz.
Jan.	15-16, Wellsboro, ...	Tioga, ...	Prof. Chas. L. Penny and R. F. Schwarz.
Jan.	18-19, Mansfield, ...	Tioga, ...	W. H. Stout and R. F. Schwarz.
Jan.	20, Tioga, ...	Tioga, ...	W. H. Stout and R. F. Schwarz.
Jan.	21-22, Osceola, ...	Tioga, ...	W. H. Stout and R. F. Schwarz.
Jan.	23, Knoxville, ...	Tioga, ...	W. H. Stout and R. F. Schwarz.

	Date.	Place.	County.	Additional Lecturers.
Feb.	1-2,	Girard, ...	Erie, ...	M. S. McDowell, Mrs. Sarah B. F. Zeigler and F. H. Fassett.
Feb.	3,	Millvillage, ...	Erie, ...	M. S. McDowell, Mrs. Sarah B. F. Zeigler and F. H. Fassett.
Feb.	4-5,	Columbus, ...	Warren, ...	M. S. McDowell, Mrs. Sarah B. F. Zeigler and F. H. Fassett.
Feb.	6,	Lottsville, ...	Warren, ...	M. S. McDowell, Mrs. Sarah B. F. Zeigler and F. H. Fassett.
Feb.	8-9,	Warren, ...	Warren, ...	M. S. McDowell, Mrs. Sarah B. F. Zeigler and Chas. H. Rich.
Feb.	10-11,	Tionesta, ...	Forest, ...	M. S. McDowell, Mrs. Sarah B. F. Zeigler and Chas. H. Rich.
Feb.	12-13,	Marionville, ...	Forest, ...	M. S. McDowell, Mrs. Sarah B. F. Zeigler and Chas. H. Rich.
Feb.	15-16,	St. Marys, ...	Elk, ...	M. S. McDowell, A. B. Lehman and W. F. Hill.
Feb.	17-18,	Rasselas, ...	Elk, ...	M. S. McDowell, A. B. Lehman and W. F. Hill.
Feb.	19-20,	Turtle Point, ...	McKean, ...	M. S. McDowell, A. B. Lehman and W. F. Hill.
Feb.	22,	Genessee, ...	Potter, ...	M. S. McDowell and D. H. Watts.
Feb.	23-24,	Sweden Valley, ..	Potter, ...	M. S. McDowell and D. H. Watts.
Feb.	25-26,	Fishing Creek, ..	Potter, ...	M. S. McDowell and D. H. Watts.
March	1,	Sterling Run, ...	Cameron, ...	M. S. McDowell and D. H. Watts.
March	2,	Sizerville, ...	Cameron, ...	M. S. McDowell and D. H. Watts.
March	3,	Rich Valley, ...	Cameron, ...	M. S. McDowell and D. H. Watts.
March	4,	West Creek, ...	Cameron, ...	M. S. McDowell and D. H. Watts.

FOURTH SECTION. (Part two.)

T. J. Philips, H. W. Northup, Horace H. Hall and W. M. C. Drake will attend all meetings in Part two of this section.

Date.	Place.	County.	Additional Lecturers.
Feb.	17-18, Oliveburg, ...	Jefferson,	
Feb.	19-20, Paradise, ...	Jefferson,	
Feb.	22-23, Tylersburg, ...	Clarion,	
Feb.	24-25, Fryburg, ...	Clarion,	
Feb.	26-27, Callensburg, ...	Clarion,	

FIFTH SECTION.

Prof. Franklin Menges will attend all meetings in this section.

Nov.	30, Dalton, ...	Lackawanna, ...	M. N. Clark and Prof. Wells W. Cooke.
Dec.	1, Bald Mount, ...	Lackawanna, ...	M. N. Clark and Prof. Wells W. Cooke.
Dec.	2, Fleetville, ...	Lackawanna, ...	M. N. Clark and Prof. Wells W. Cooke.
Dec.	3, Tompkinsville, ...	Lackawanna, ...	M. N. Clark and Prof. Wells W. Cooke.
Dec,	4, Madisonville, ...	Lackawanna, ...	M. N. Clark and Prof. Wells W. Cooke.
Dec.	5, Daleville, ...	Lackawanna, ...	M. N. Clark and Prof. Wells W. Cooke.
Dec.	12, Gallilee, ...	Wayne, ...	W. H. Stout, W. Theo. Wittman and A. J. Kahler.
Dec.	14-15, Calkins, ...	Wayne, ...	W. H. Stout, W. Theo. Wittman and A. J. Kahler.
Dec.	16-17, Beech Lake, ...	Wayne, ...	W. H. Stout, W. Theo. Wittman and A. J. Kahler.
Dec.	18-19, Honesdale, ...	Wayne, ...	W. H. Stout, W. Theo. Wittman and A. J. Kahler.
Dec.	21-22, Paupack, ...	Pike, ...	W. H. Stout, W. Theo. Wittman and A. J. Kahler.
Dec.	23-24, Greentown, ...	Pike, ...	W. H. Stout, W. Theo. Wittman and A. J. Kahler.
Jan.	4-5, Auburn Center, ..	Susquehanna, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Jan.	6-7, Harford, ...	Susquehanna, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.

Date.	Place.	County.	Additional Lecturers.
Jan.	8-9, Lawton, ...	Susquehanna, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Jan.	11, Montrose, ...	Susquehanna, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Jan.	12-13, Lehman, ...	Luzerne, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Jan.	14-15, White Haven, ...	Luzerne, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Jan.	16, Bowmanstown, .	Carbon, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Jan.	18-19, Weatherby, ...	Carbon, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Jan.	20-21, Shawnee, ...	Monroe, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Jan.	22-23, Broadheadsville, .	Monroe, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Jan.	25, Bassardsville, ...	Monroe, ...	R. P. Kester, J. W. Bruckart and Robt. S. Seeds.
Feb.	1-2, Pineville, ...	Bucks, ...	Joel A. Herr, H. M. Anderson and J. H. Ledy.
Feb.	3-4, Plumsteadville, .-	Bucks, ...	Joel A. Herr, H. M. Anderson and J. H. Ledy.
Feb.	5-6, Sellersville, ...	Bucks, ...	Joel A. Herr, H. M. Anderson and J. H. Ledy.
Feb.	8-9, Richlandtown, ...	Bucks, ...	Joel A. Herr, Mr. and Mrs. C. W. Brodhead.
Feb.	10-11, Ackermanville, ...	Northampton, ...	Joel A. Herr, Mr. and Mrs. C. W. Brodhead.
Feb.	12-13, Tatamy, ...	Northampton, ...	Joel A. Herr, Mr. and Mrs. C. W. Brodhead.
Feb.	15-16, Bath, ...	Northampton, ...	G. B. Waychoff and A. B. Ross.
Feb.	17-18, Macungie, ...	Lehigh, ...	G. B. Waychoff and A. B. Ross.
Feb.	19-20, Neffs, ...	Lehigh, ...	G. B. Waychoff, A. B. Ross and Dr. Joseph Johnson.
Feb.	22-23, Allentown, ...	Lehigh, ...	G. B. Waychoff, A. B. Ross and Dr. Joseph Johnson.

Date.	Place.	County.	Additional Lecturers.
Feb.	24, Huffs Church, ...	Berks, ...	G. B. Waychoff, A. B. Ross and Dr. Joseph Johnson.
Feb.	25-26, Virginsville, ...	Berks, ...	G. B. Waychoff, A. B. Ross and Dr. Joseph Johnson.
Feb.	27, Geigertown, ...	Berks, ...	G. B. Waychoff, A. B. Ross and Dr. Joseph Johnson.
March	1-2, Amityville, ...	Berks, ...	G. B. Waychoff and M. S. Bond.
March	3-4, Millersburg, ...	Berks, ...	G. B. Waychoff and M. S. Bond.
March	5-6, Pinegrove, ...	Schuykill, ...	G. B. Waychoff and M. S. Bond.
March	8-9, Pitman, ...	Schuykill, ...	G. B. Waychoff and M. S. Bond.

MOVABLE INSTITUTE SCHOOLS.

Season of 1908-9.

Jan.	11-14, Bloomsburg, ...	Columbia, ...	Prof. Wells W. Cooke, Dr. J. D. Detrich.
Jan.	15-16, Bloomsburg, ...	Columbia, ...	W. Theo. Wittman and
Feb.	5-6, East Smethport, .	McKean, ...	Prof. Wells W. Cooke and Dr. J. D. Detrich.
Feb.	8-9, East Smethport, .	McKean, ...	W. Theo. Wittman and
Feb.	8-9, Erie, ...	Erie, ...	Prof. Wells W. Cooke, Dr. J. D. Detrich and Prof. H. E. Van Nor- man.
Feb.	10-11, Erie, ...	Erie, ...	W. Theo. Wittman and
Feb.	10-11, Meadville, ...	Crawford, ...	Prof. Wells W. Cooke, Prof. H. E. Van Nor- man and Dr. J. D. Detrich.
Feb.	12-13, Meadville, ...	Crawford, ...	W. Theo. Wittman and

Note: The subjects taken up at above schools will embrace Animal Breeding on Dairy Lines, Barn Construction, Lessons in Butter Making with Handling and Care of Milk in its various departments; also Horticulture, Orchard Location, Planting, Pruning, Cultivation, Selection of Varieties, Fungus and Insect Pests. The Poultry Industry in its Various Branches.

A brief syllabus on the different lines of study taken up will be forwarded to all members of the class where meetings are held.

LIST OF SPEAKERS AND THEIR ASSIGNMENTS.

FOR THE SEASON OF 1908-1909.

PROF. ALVA AGEE, State College, Centre County, Pa.

Town.	County.	Dates.
Unionville, ...	Chester, ...	Jan. 13-14.
Oxford, ...	Chester, ...	Jan. 15-16.
Townville, ...	Crawford, ...	Mar. 1-2.
Linesville, ...	Crawford, ...	Mar. 3-4.
Espyville, ...	Crawford, ...	Mar. 5.

MRS. MOLLIE MacCLAUGHRY ALLEN, Oswego, N. Y., R. F. D.
No. 6.

New Albany, ...	Bradford, ...	Nov. 27-28.
Ulster, ...	Bradford, ...	Nov. 31-Dec. 1.
Leraysville, ...	Bradford, ...	Dec. 2-3.
Lime Hill, ...	Bradford, ...	Dec. 4-5.
Red Lion, ...	York, ...	Feb. 5-6.
Manchester, ...	York, ...	Feb. 5-6.
Rossville, ...	York, ...	Feb. 8-9.
Dillsburg, ...	York, ...	Feb. 10-11.
Quarryville, ...	Lancaster, ...	Feb. 12-13.
Lampeter, ...	Lancaster, ...	Feb. 15-16.
Maytown, ...	Lancaster, ...	Feb. 17-18.
Ephrata, ...	Lancaster, ...	Feb. 19-20.

H. M. ANDERSON, New Park, York County, Pa.

Pineville, ...	Bucks, ...	Feb. 1-2.
Plumsteadville, ...	Bucks, ...	Feb. 3-4.
Sellersville, ...	Bucks, ...	Feb. 5-6.

RICHARD D. BARCLAY, No. 125 South Front Street, Philadelphia,
Pa.

Thompstontown, ...	Juniata, ...	Feb. 1-2.
Academia, ...	Juniata, ...	Feb. 3-4.
Lewistown, ...	Mifflin, ...	Feb. 5-6.
Belleville, ...	Mifflin, ...	Feb. 8-9.
Duncansville, ...	Blair, ...	Feb. 10-11.
Bellwood, ...	Blair, ...	Feb. 12-13.
Bald Eagle, ...	Blair, ...	Feb. 15-16.

MISS A. C. BAKER, Chadds Ford, Delaware County, Pa.

Town.	County.	Dates.
Berrysburg, ...	Dauphin, ...	Jan. 4-5.
Liverpool, ...	Blair, ...	Jan. 6-7.
Blain, ...	Perry, ...	Jan. 8-9.
Ickesburg, ...	Perry, ...	Jan. 11.
Jonestown, ...	Lebanon, ...	Jan. 12-13.
Schaefferstown, ...	Lebanon, ...	Jan. 14-15.
Campbelltown, ...	Lebanon, ...	Jan. 16.

WM. C. BLACK, Mercer. Mercer County, Pa.

Dunbar, ...	Fayette, ...	Feb. 1-2.
Perryopolis, ...	Fayette, ...	Feb. 3-4.
Scottsdale, ...	Westmoreland, ...	Feb. 5-6.

M. S. BOND, Danville, Montour County, Pa.

Tunkhannock, ...	Wyoming, ...	Dec. 14-15.
Lovelton, ...	Wyoming, ...	Dec. 16-17.
Muncy Valley, ...	Sullivan, ...	Dec. 18-19.
Montgomery, ...	Lycoming, ...	Dec. 21-22.
Huffs Church, ...	Berks, ...	Feb. 24.
Virginsville, ...	Berks, ...	Feb. 25-26.
Geigertown, ...	Berks, ...	Feb. 27.
Amityville, ...	Berks, ...	Mar. 1-2.
Millersburg, ...	Berks, ...	Mar. 3-4.
Pinegrove, ...	Schuylkill, ...	Mar. 5-6.
Pitman, ...	Schuylkill, ...	Mar. 8-9.

MR. AND MRS. C. W. BROADHEAD, Montrose, Susquehanna County,
Pa.

Richlandtown, ...	Bucks, ...	Feb. 8-9.
Ackermanville, ...	Northampton, ...	Feb. 10-11.
Tatamy, ...	Northampton, ...	Feb. 12-13.
Bath, ...	Northampton, ...	Feb. 15-16.

J. W. BRUCKART, Lititz, Lancaster County, Pa.

Auburn Center, ...	Susquehanna, ...	Jan. 4-5.
Harford, ...	Susquehanna, ...	Jan. 6-7.
Lawton, ...	Susquehanna, ...	Jan. 8-9.
Montrose, ...	Susquehanna, ...	Jan. 11.
Lehman, ...	Luzerne, ...	Jan. 12-13.

Town.	County.	Dates.
White Haven, ...	Luzerne, ...	Jan. 14-15.
Bowmanstown, ...	Carbon, ...	Jan. 16.
Weatherly, ...	Carbon, ...	Jan. 18-19.
Shawnee, ...	Monroe, ...	Jan. 20-21.
Brodheadville, ...	Monroe, ...	Jan. 22-23.
Bassardville, ...	Monroe, ...	Jan. 25.

J. T. CAMPBELL, Hartstown, Crawford County, Pa.
Will attend all meetings in Part one of the Fourth Section.

FRED W. CARD, Sylvania, Bradford County, Pa.

Penfield, ...	Clearfield, ...	Jan. 4-5.
Troutville, ...	Clearfield, ...	Jan. 6-7.
Woodland, ...	Clearfield, ...	Jan. 8-9.
Patton, ...	Cambria, ...	Jan. 11-12.
Nicktown, ...	Cambria, ...	Jan. 13-14.
Wilmore, ...	Cambria, ...	Jan. 15-16.
Somerset, ...	Somerset, ...	Jan. 18-19-20.
Rockwood, ...	Somerset, ...	Jan. 21-22.

M. N. CLARK, Claridge, Westmoreland County, Pa.

Dalton, ...	Lackawanna, ...	Nov. 30.
Bald Mount	Lackawanna, ...	Dec. 1.
Fleetville, ...	Lackawanna, ...	Dec. 2.
Tompkinsville, ...	Lackawanna, ...	Dec. 3.
Madisonville, ...	Lackawanna, ...	Dec. 4.
Daleville, ...	Lackawanna, ...	Dec. 5.
Warrensville, ...	Lycoming, ...	Jan. 4-5.
Jersey Shore, ...	Lycoming, ...	Jan. 6-7.
Loganton, ...	Clinton, ...	Jan. 8-9.

DR. M. E. CONARD, Westgrove, Chester County, Pa.

Will attend all meetings in Part one of the First Section.

PROF. WELLS W. COOKE, U. S. Department of Agriculture,
Washington, D. C.

Dalton, ...	Lackawanna, ...	Nov. 30.
Bald Mount, ...	Lackawanna, ...	Dec. 1.
Fleetville, ...	Lackawanna, ...	Dec. 2.
Tompkinsville, ...	Lackawanna, ...	Dec. 3.
Madisonville, ...	Lackawanna, ...	Dec. 4.
Daleville, ...	Lackawanna, ...	Dec. 5.

Town.	County.	Dates.
Middle Springs, ...	Cumberland, ...	Dec. 14-15.
New Kingston, ...	Cumberland, ...	Dec. 16.
Hogestown, ...	Cumberland, ...	Dec. 17.
Churchtown, ...	Cumberland, ...	Dec. 18-19.
Motamoras, ...	Dauphin, ...	Dec. 21-22.
Hookstown, ...	Beaver, ...	Jan. 4-5.
Four Mile U. P.		
Church, ...	Beaver, ...	Jan. 6-7.
Emanuel Church, ...	Beaver, ...	Jan. 8-9.
Bloomsburg, ...	Columbia, ...	Jan. 11-14.
Slipperyrock, ...	Butler, ...	Jan. 18-19.
Renfrew, ...	Butler, ...	Jan. 20-21.
Mars, ...	Butler, ...	Jan. 22-23.
East Smethport, ...	McKean, ...	Feb. 5-6.
Erie, ...	Erie, ...	Feb. 8-9.
Meadville, ...	Crawford, ...	Feb. 10-11.

JOHN W. COX, New Wilmington, Lawrence County, Pa.

Grove City, ...	Mercer, ...	Mar. 1-2.
West Virginia, ...	Mercer, ...	Mar. 3-4.
Hadley, ...	Mercer, ...	Mar. 5-6.

ELLERY E. CALLAHAN, Wellsboro, Tioga County, Pa.

Beyers, ...	Chester, ...	Mar. 1-2.
Center Point, ...	Montgomery, ...	Mar. 3-4.
Schwenksville, ...	Montgomery, ...	Mar. 5-6.
Bustleton, ...	Philadelphia, ...	Mar. 8-9.

W. M. C. DRAKE, Volant, Lawrence County, Pa.

Waynesburg, ...	Greene, ...	Dec. 1-2-3.
Newtown, ...	Greene, ...	Dec. 4-5.
Scenery Hill, ...	Washington, ...	Dec. 14-15.
Finleyville, ...	Washington, ...	Dec. 16-17.
West Middletown, ..	Washington, ...	Dec. 18-19.
Union Church, ...	Allegheny, ...	Dec. 21-22.

DR. J. D. DETRICH, No. 438 Adams Ave., Scranton, Pa.

Bloomsburg, ...	Columbia, ...	Jan. 11-14.
East Smethport, ...	McKean, ...	Feb. 5-6.
Erie, ...	Erie, ...	Feb. 8-9.
Meadville, ...	Crawford, ...	Feb. 10-11.

I. A. ESCHBACH, Milton, Pa., R. F. D. No. 1, Northumberland
County, Pa.

Town.	County.	Dates.
Middle Spring, ...	Cumberland, ...	Dec. 14-15.
New Kingston, ...	Cumberland, ...	Dec. 16.
Hogestown, ...	Cumberland, ...	Dec. 17.
Churchtown, ...	Cumberland, ...	Dec. 18-19.
Matamoras, ...	Dauphin, ...	Dec. 21-22.

F. H. FASSETT, Meshoppen, Wyoming County, Pa.

Girard, ...	Erie, ...	Feb. 1-2.
Millvillage, ...	Erie, ...	Feb. 3.
Columbus, ...	Warren, ...	Feb. 4-5.
Lottsville, ...	Warren, ...	Feb. 6.
Belleville, ...	Mifflin, ...	Feb. 8-9.
Duncansville, ...	Blair, ...	Feb. 10-11.
Bellwood, ...	Blair, ...	Feb. 12-13.
Bald Eagle, ...	Blair, ...	Feb. 15-16.

DR. J. H. FUNK, Boyertown, Berks County, Pa.

Will attend all meetings in Part one of the Second Section.

H. M. GOODERHAM, Patton, R. F. D. No. 1, Cambria County, Pa.

Warrensville, ...	Lycoming, ...	Jan. 4-5.
Jersey Shore, ...	Lycoming, ...	Jan. 6-7.
Loganton, ...	Clinton, ...	Jan. 8-9.

HORACE H. HALL, Ellisburg, Potter County, Pa.

Oliveburg, ...	Jefferson, ...	Feb. 17-18.
Paradise, ...	Jefferson, ...	Feb. 19-20.
Tylersburg, ...	Clarion, ...	Feb. 22-23.
Fryburg, ...	Clarion, ...	Feb. 24-25.
Callensburg, ...	Clarion, ...	Feb. 26-27.

JOEL A. HERR, Millhall, R. F. D., Clinton County, Pa.

Tunkhannock, ...	Wyoming, ...	Dec. 14-15.
Lovelton, ...	Wyoming, ...	Dec. 16-17.
Muncyvalley, ...	Sullivan, ...	Dec. 18-19.
Montgomery, ...	Lycoming, ...	Dec. 21-22.
Pineville, ...	Bucks, ...	Feb. 1-2.
Plumsteadville, ...	Bucks, ...	Feb. 3-4.
Sellersville, ...	Bucks, ...	Feb. 5-6.
Richlandtown, ...	Bucks, ...	Feb. 8-9.

PROF. P. H. HERTZOG, Division of Zoology, Dept. of Agriculture,
Harrisburg, Pa.

Town.	County.	Dates.
Unionville, ...	Chester, ...	Jan. 13-14.
Oxford, ...	Chester, ...	Jan. 15-16.
Media, ...	Delaware, ...	Jan. 18-19.
Concordville, ...	Delaware, ...	Jan. 20-21.
Newtown Square, ...	Delaware, ...	Jan. 22.

W. F. HILL, Huntingdon, Huntingdon County, Pa.

St. Marys, ...	Elk, ...	Feb. 15-16.
Rasselas, ...	Elk, ...	Feb. 17-18.
Turtle Point, ...	McKean, ...	Feb. 19-20.

E. S. HOOVER, Lancaster, Lancaster County, Pa.

Thompsontown, ...	Juniata, ...	Feb. 1-2.
Academia, ...	Juniata, ...	Feb. 3-4.
Lewistown, ...	Mifflin, ...	Feb. 5-6.

GEO. E. HULL, Transfer, R. F. D., Mercer County, Pa.

Harrison City, ...	Westmoreland, ...	Feb. 8-9.
New Kensington, ...	Westmoreland, ...	Feb. 10-11.
New Texas, ...	Allegheny, ...	Feb. 12-13.

HOMER W. JACKSON, Cambridge, Ohio, R. F. D. No. 1.

Scenery Hill, ...	Washington, ...	Dec. 14-15.
Finleyville, ...	Washington, ...	Dec. 16-17.
West Middletown, ..	Washington, ...	Dec. 18-19.
Union Church, ...	Allegheny, ...	Dec. 21-22.

DR. JOSEPH JOHNSON, Westgrove, Chester County, Pa.

Neffs, ...	Lehigh, ...	Feb. 19-20.
Allentown, ...	Lehigh, ...	Feb. 22-23.
Huff's Church, ...	Berks, ...	Feb. 24.
Virginsville, ...	Berks, ...	Feb. 25-26.
Geigertown, ...	Berks, ...	Feb. 27.

A. J. KAHLER, Hughesville, Lycoming County, Pa.

Gallilee, ...	Wayne, ...	Dec. 12.
Calkins, ...	Wayne, ...	Dec. 14-15.
Beech Lake, ...	Wayne, ...	Dec. 16-17.

Town.	County.	Dates.
Honesdale, ...	Wayne, ...	Dec. 18-19.
Paupack, ...	Pike, ...	Dec. 21-22.
Greentown, ...	Pike, ...	Dec. 23-24.
Thompsonstown, ...	Juniata, ...	Feb. 1-2.
Academia, ...	Juniata, ...	Feb. 3-4.
Lewistown, ...	Mifflin, ...	Feb. 5-6.
Belleville, ...	Mifflin, ...	Feb. 8-9.
Duncansville, ...	Blair, ...	Feb. 10-11.
Bellwood, ...	Blair, ...	Feb. 12-13.
Bald Eagle, ...	Blair, ...	Feb. 15-16.

DR. LOUIS A. KLEIN, Deputy State Veterinarian, Harrisburg, Pa.

Unionville, ...	Chester, ...	Jan. 13-14.
Oxford, ...	Chester, ...	Jan. 15-16.

R. P. KESTER, Grampian, Clearfield County, Pa.

Will attend all meetings in Part one of the Fifth Section from January 4-25 and Part one of the First Section February 15-March 6.

J. H. LEDY, Marion, Franklin County, Pa.

Rossville, ...	York, ...	Feb. 8-9.
Dillsburg, ...	York, ...	Feb. 10-11.
Quarryville, ...	Lancaster, ...	Feb. 12-13.
Lampeter, ...	Lancaster, ...	Feb. 15-16.
Maytown, ...	Lancaster, ...	Feb. 17-18.
Ephrata, ...	Lancaster, ...	Feb. 19-20.
Cedarville, ...	Chester, ...	Feb. 22-23.
King of Prussia, ...	Montgomery, ...	Feb. 24-25.
East Greenville, ...	Montgomery, ...	Feb. 26-27.

AMOS B. LEHMAN, Fayetteville, Franklin County, Pa.

St. Marys, ...	Elk, ...	Feb. 15-16.
Rasselas, ...	Elk, ...	Feb. 17-18.
Turtle Point, ...	McKean, ...	Feb. 19-20.

L. W. LIGHTY, East Berlin, Adams County, Pa.

Will attend all meetings in Part one of the Second Section.

PROF. T. I. MAIRS, State College, Centre County, Pa.

Polk, ...	Venango, ...	Feb. 26-27.
Grove City, ...	Mercer, ...	Mar. 1-2.

West Virginia, ... Mercer, ... Mar. 3-4.
 Hadley, ... Mercer, ... Mar. 5-6.

CLARENCE C. McCURDY, Hartstown, Crawford County, Pa.

Town.	County.	Dates.
East Brook, ...	Lawrence, ...	Jan. 11-12.
Harlansburg, ...	Lawrence, ...	Jan. 13-14.
Plaingrove, ...	Lawrence, ...	Jan. 15-16.

M. S. McDOWELL, State College, Centre County, Pa.

Will attend all meetings in Part two of the First Section and Part one of the Fourth Section from February 1 to March 4.

PROF. FRANKLIN MENGES, York, York County, Pa.

Will attend all meetings in the Fifth Section.

H. E. MOATS, Jamestown, Mercer County, Pa.

Slipperyrock, ...	Butler, ...	Jan. 18-19.
Renfrew, ...	Butler, ...	Jan. 20-21.
Mars, ...	Butler, ...	Jan. 22-23.
Grove City, ...	Mercer, ...	Mar. 1-2.
West Virginia, ...	Mercer, ...	Mar. 3-4.
Hadley, ...	Mercer, ...	Mar. 5-6.

H. W. NORTHUP, Dalton, R. F. D. No. 1, Lackawanna County, Pa.

New Albany, ...	Bradford, ...	Nov. 27-28.
Ulster, ...	Bradford, ...	Nov 31-Dec. 1.
Leraysville, ...	Bradford, ...	Dec. 2-3.
Lime Hill, ...	Bradford, ...	Dec. 4-5.
Oliveburg, ...	Jefferson, ...	Feb. 17-18.
Paradise, ...	Jefferson, ...	Feb. 19-20.
Tylersburg, ...	Clarion, ...	Feb. 22-23.
Fryburg, ...	Clarion, ...	Feb. 24-25.
Callensburg, ...	Clarion, ...	Feb. 26-27.

PROF. WM. G. OWENS, Lewisburg, Union County, Pa.

Scenery Hill, ...	Washington, ...	Dec. 14-15.
Finleyville, ...	Washington, ...	Dec. 16-17.
West Middletown, ...	Washington, ...	Dec. 18-19.
Union Church, ...	Allegheny, ...	Dec. 21-22.

J. P. PEACHEY, Belleville, Mifflin County, Pa.

Will attend all meetings in Part one of the Third Section.

PROF. CHAS. L. PENNY, State College, Centre County, Pa.

Town.	County.	Dates.
Swissdale, ...	Clinton, ...	Jan. 11-12.
Woolrich, ...	Clinton, ...	Jan. 13-14.
Wellsboro, ...	Tioga, ...	Jan. 15-16.

T. J. PHILIPS, Atglen, Chester County, Pa.

Will attend all meetings in Part two of the First Section; Part two of the Second Section; Part two of the Third Section; Part two of the Fourth Section.

E. L. PHILLIPS, New Bethlehem, Clarion County, Pa.

McConnellsburg, ...	Fulton, ...	Dec. 11-12.
Hustonton, ...	Fulton, ...	Dec. 14-15.
Clearville, ...	Bedford, ...	Dec. 16-17.
Mench, ...	Bedford, ...	Dec. 18-19.
Imberton, ...	Bedford, ...	Dec. 21-22.

PROF. J. P. PILLSBURY, State College, Centre County, Pa.

Waynesburg, ...	Greene, ...	Dec. 1-2-3.
Newtown, ...	Greene, ...	Dec. 4-5.

B. MONROE POSTEN, Sheakleyville, Mercer County, Pa.

Dunbar, ...	Fayette, ...	Feb. 1-2.
Perryopolis, ...	Fayette, ...	Feb. 3-4.
Scottdale, ...	Westmoreland, ...	Feb. 5-6.
Harrison City, ...	Westmoreland, ...	Feb. 8-9.
New Kensington, ...	Westmoreland, ...	Feb. 10-11.
New Texas, ...	Allegheny, ...	Feb. 12-13.
Culmerville, ...	Allegheny, ...	Feb. 15-16.
Apollo, ...	Armstrong, ...	Feb. 17-18.
Tidal, ...	Armstrong, ...	Feb. 19-20.
Oak Ridge, ...	Armstrong, ...	Feb. 22-23.
Breedtown, ...	Venango, ...	Feb. 24-25.

CHAS. H. RICH, Woolrich, Clinton County, Pa.

Warren, ...	Warren, ...	Feb. 8-9.
Tionesta, ...	Forest, ...	Feb. 10-11.
Marionville, ...	Forest, ...	Feb. 12-13.

A. B. ROSS, Schellsburg, Bedford County, Pa.

Town.	County.	Dates.
Bath, ...	Northampton, ...	Feb. 15-16.
Macungie, ...	Lehigh, ...	Feb. 17-18.
Neffs, ...	Lehigh, ...	Feb. 19-20.
Allentown, ...	Lehigh, ...	Feb. 22-23.

R. F. SCHWARZ, Analomink, Monroe County, Pa.

Will attend all meetings in Part one of the Fourth Section from January 4-22 and Part one of the Third Section from February 1-25.

OLIVER D. SCHOCK, Asst. Dairy and Food Commissioner, Harrisburg, Pa.

Fannettsburg, ...	Franklin, ...	Nov. 30.
Dry Run, ...	Franklin, ...	Dec. 1-2.
St. Thomas, ...	Franklin, ...	Dec. 3-4.
Marion, ...	Franklin, ...	Dec. 5.

ROBT. S. SEEDS, Birmingham, Huntingdon County, Pa.

Will attend all meetings in the Fifth Section from January 4-25 and Part one of the First Section from February 1-20.

A. W. STEPHENS, Lewisburg, Union County, Pa.

Tunkhannock, ...	Wyoming, ...	Dec. 14-15.
Lovelton, ...	Wyoming, ...	Dec. 16-17.
Muncy Valley, ...	Sullivan, ...	Dec. 18-19.
Montgomery, ...	Lycoming, ...	Dec. 21-22.

PROF. J. P. STEWART, State College, Centre County, Pa.

Fannettsburg, ...	Franklin, ...	Nov. 30.
Dry Run, ...	Franklin, ...	Dec. 1-2.
St. Thomas, ...	Franklin, ...	Dec. 3-4.
Marion, ...	Franklin, ...	Dec. 5.

W. H. STOUT, Pinegrove, Schuylkill County, Pa.

Gallilee, ...	Wayne, ...	Dec. 12.
Calkins, ...	Wayne, ...	Dec. 14-15.
Beech Lake, ...	Wayne, ...	Dec. 16-17.
Honesdale, ...	Wayne, ...	Dec. 18-19.
Paupack, ...	Pike, ...	Dec. 21-22.
Greentown, ...	Pike, ...	Dec. 23-24.

Town.	County.	Dates.
Mansfield, ...	Tioga, ...	Jan. 18-19.
Tioga, ...	Tioga, ...	Jan. 20.
Osceola, ...	Tioga, ...	Jan. 21-22.
Knoxville, ...	Tioga, ...	Jan. 23.

MISS SARA PHILLIPS THOMAS, Wayne, R. F. D. No. 1, Delaware
County, Pa.

Media, ...	Delaware, ...	Jan. 18-19.
Concordville, ...	Delaware, ...	Jan. 20-21.
Newtown Square, ...	Delaware, ...	Jan. 22.
Center Point, ...	Montgomery, ...	Mar. 3-4.
Schwenksville, ...	Montgomery, ...	Mar. 5-6.
Bustleton, ...	Philadelphia, ...	Mar. 8-9.

PROF. H. E. VAN NORMAN, State College, Centre County, Pa.

Erie, ...	Erie, ...	Feb. 8-9.
Meadville, ...	Crawford, ...	Feb. 10-11.
Townville, ...	Crawford, ...	Mar. 1-2.
Linesville, ...	Crawford, ...	Mar. 3-4.
Espyville, ...	Crawford, ...	Mar. 5

LEON OTICE VAN NOY, Troy, R. F. D. No. 66, Bradford County
Pa.

New Albany, ...	Bradford, ...	Nov. 27-28.
Ulster, ...	Bradford, ...	Nov. 31-Dec. 1.
Leraysville, ...	Bradford, ...	Dec. 2-3.
Lime Hill, ...	Bradford, ...	Dec. 4-5.

F. J. WAGNER, Harrison City, Westmoreland County, Pa.

Blairsville, ...	Indiana, ...	Nov. 27-28.
Dilltown, ...	Indiana, ...	Nov. 30-Dec. 1.
Willet, ...	Indiana, ...	Dec. 2-3.
Flora, ...	Indiana, ...	Dec. 4-5.

MRS. MARY A. WALLACE, Beechwood and Shaw Aves., Pittsburg,
Allegheny County, Pa.

Blairsville, ...	Indiana, ...	Nov. 27-28.
Dilltown, ...	Indiana, ...	Nov. 30-Dec. 1.
Willet, ...	Indiana, ...	Dec. 2-3.
Flora, ...	Indiana, ...	Dec. 4-5.
Penfield, ...	Clearfield, ...	Jan. 4-5.
Troutville, ...	Clearfield, ...	Jan. 6-7.

Town.	County.	Dates.
Woodland, ...	Clearfield, ...	Jan. 8-9.
Patton, ...	Cambria, ...	Jan. 11-12.
Nicktown, ...	Cambria, ...	Jan. 13-14.
Wilmore, ...	Cambria, ...	Jan. 15-16.
Somerset, ...	Somerset, ...	Jan. 18-19-20.
Rockwood, ...	Somerset, ...	Jan. 21-22.

PROF. R. L. WATTS, State College, Centre County, Pa.

King of Prussia, ... Montgomery, ... Feb. 24-25.

East Greenville, ... Montgomery, ... Feb. 26-27.

Beyers, ... Chester, ... Mar. 1-2.

D. H. WATTS, Kerrmoor, Clearfield County, Pa.

Will attend all meetings in Part one of the Third Section from Jan. 4 to Jan. 23 and Part one of the Fourth Section from Feb. 22 to March 4.

G. B. WAYCHOFF, Jefferson, Greene County, Pa.

Will attend all meetings in the Fifth Section from Feb. 15 to March 9.

R. J. WELD, Sugargrove, Warren County, Pa.

Dalmatia, ... Northumberland, ... Feb. 1-2.

Pottsgrove, ... Northumberland, ... Feb. 3-4.

McEwensville, ... Northumberland, ... Feb. 5-6.

Washingtonville, ... Montour, ... Feb. 8-9.

Mooresburg, ... Montour, ... Feb. 10.

Mt. Pleasant Mills, ... Snyder, ... Feb. 11-12-13.

CHAS. A. WILSON, Stewartstown, R. F. D. No. 4, York County, Pa.

Fannettsburg, ... Franklin, ... Nov. 30.

Dry Run, ... Franklin, ... Dec. 1-2.

St. Thomas, ... Franklin, ... Dec. 3-4.

Marion, ... Franklin, ... Dec. 5.

W. THEO. WITTMAN, Allentown, Lehigh County, Pa.

Will attend all meetings in the Fifth Section from Dec. 12 to Dec. 24 and Part one of the First Section Feb. 22 to March 9; also Moveable Institute Schools, Bloomsburg, Jan. 15 and 16, East Smethport Feb. 8 and 9, Erie, Feb. 10 and 11 and Meadville, Feb. 12 and 13.

WM. H. WOLFF, West Chester, Chester County, Pa.

Will attend all meetings in Part one of the First Section from Jan. 4 to Jan. 23.

HARRY WOLSIEFFER, Buck Hill Falls, Monroe County, Pa.

Town.	County.	Dates.
Stewartstown, ...	York, ...	Feb. 1-2.
Logansville, ...	York, ...	Feb. 3-4.
Red Lion, ...	York, ...	Feb. 5-6.
Manchester, ...	York, ...	Feb. 8-9.

S. PAUL WOODMAN, Ruchland, Bucks County, Pa.

Will attend all meetings in Part one of the First Section from Jan. 4 to Jan. 23.

MRS. SARAH B. F. ZEIGLER, Duncannon, Perry County, Pa.

Middle Springs, ...	Cumberland, ...	Dec. 14-15.
New Kingston, ...	Cumberland, ...	Dec. 16.
Hogestown, ...	Cumberland, ...	Dec. 17.
Churchtown, ...	Cumberland, ...	Dec. 18-19.
Matamoras, ...	Dauphin, ...	Dec. 21-22.
Girard, ...	Erie, ...	Feb. 1-2.
Millvillage, ...	Erie, ...	Feb. 3.
Columbus, ...	Warren, ...	Feb. 4-5.
Lottsville, ...	Warren, ...	Feb. 6.
Warren, ...	Warren, ...	Feb. 8-9.
Tionesta, ...	Forest, ...	Feb. 10-11.
Marionville, ...	Forest, ...	Feb. 12-13.

GENERAL LIST OF INSTITUTE LECTURERS WITH THEIR
SUBJECTS.

1908-1909.

AGEE, PROF. ALVA, State College, Centre County, Pa.

1. Right Use of Lime.
2. Making Sods.
3. Commercial Fertilizers.
4. Alfalfa.
5. Potato Culture.
6. Renewing Permanent Grass Lands.
7. Pennsylvania's Agricultural College.
8. The Chance for Winning. (From 30 to 40 minutes each.)

ALLEN, MRS. MOLLIE MacCLAUGHRY, Oswego, N. Y., R. F. D
No. 6.:

1. A Woman's Experience in Poultry Keeping.
2. Raising Chicks.
3. Housing and Ventilation.
4. Feeding and Care of Poultry.
5. How to Make a Science of Turkeys.
6. Gardening for Women.
7. Fruit Growing.
8. Fruit for Home Use.
9. The Sanitary Home.
10. Sanitary Milk.
11. Proper Feeding of Young Children.
12. Simple Chemical Problems of the Household.
13. Tuberculosis—Its Cure and Prevention. (From 20 to 40 minutes each.)

ANDERSON, H. M., New Park, York County, Pa.:

1. Home Mixed Fertilizers.
2. Conservation of Soil Moisture.
3. Potato Culture.
4. Leguminous Crops.
5. Little Things that Pay. (From 20 to 25 minutes each).

BARCLAY, RICHARD D., No. 125 South Front St., Philadelphia, Pa.:

1. Bee Keeping. (50 minutes.)
2. Control of Insect Pests and Plant Diseases. (30 minutes.)
3. The Value of Pure Bred Stock to the Farmer. (30 minutes.)
4. Finding Profit or Loss. (30 minutes.)
5. Agricultural Education from the Students Point of View. (15 minutes.)
6. Winter Eggs by Maine Station Methods. (30 minutes.)
7. Converting a Failure with Sheep into Success. (20 minutes.)
8. Stock Records and Identification. (15 minutes.)

BAKER, MISS A. C., Chadds Ford, Delaware County, Pa.:

1. Ten Years' Experience in Practical Dairy Farming.
2. Social Betterment of Farm Homes.
3. The Education of Our Boys and Girls.

BLACK, W. C., Mercer, Mercer County, Pa.:

1. The Beef Breeds of Cattle.
2. The Value of Pedigree.
3. The Sheep.
4. Comparison of Beef and Dairy Types of Cattle for Beef Purposes.
5. The Corn Plant; Its Cultivation and Uses.
6. Alfalfa. (30 minutes each.)

BOND, M. S., Danville, Montour County, Pa.:

1. When, Where and How to use Lime. (20 minutes.)
2. Thirty Year's Experience with Commercial Fertilizers. (30 minutes.)
3. Short History of the Discovery of the Potato. (20 minutes.)
4. Some Important Facts Necessary to Make Potato Growing Profitable. (30 minutes.)
5. Short Talk to the Boys and Girls About the Advantages of Farm Life. (30 minutes.)
6. If I Don't Know, Why Don't I? (20 minutes.)
7. Market Gardening. (30 minutes.)

BRODHEAD, C. W., Montrose, Susquehanna County, Pa.:

1. Twenty-five years of Observation in Horse Breeding. (30 minutes.)
2. Care of Colts and Horses Feet and Teeth. (Illustrated.) (40 minutes.)
3. Horseshoeing. (Illustrated.) (20 minutes.)
4. Observation of the Resources of Pennsylvania. (20 minutes.)

BRODHEAD, MRS. C. W., Montrose, Susquehanna County, Pa.:

1. Women as Practical Poultry Keepers. (20 minutes.)
2. Care and Management of Poultry in the Villages or on the Farm. (30 minutes.)
3. Beautifying Village and Farm Homes. (30 minutes.)

BRUCKART, J. W., Lititz, Lancaster County, Pa.:

1. The Poultry Department on the Farm. (45 minutes.)
2. Better Poultry and More of it. (30 minutes.)
3. Success with Poultry in Limited Quarters. (30 minutes.)
4. The Incubator and Brooder on the Farm. (30 minutes.)
5. Poultry Diseases; Their Prevention and Cure. (30 minutes.)
6. Profitable Market Gardening. (30 minutes.)
7. Specialty Crops and the Art of Marketing. (30 minutes.)
8. Strawberry Culture. (30 minutes.)
9. The Sunny Side of Farm Life. (60 minutes.)

BURNS, J. S., Imperial, R. F. D. No. 1, Allegheny County, Pa.:

1. Corn, Breeding and Selection of Seed. (30 minutes.)
2. Corn, Preparation of Soil and Cultivation. (30 minutes.)
3. Breeding and Care of Swine. (30 minutes.)
4. Sheep Husbandry. (25 minutes.)
5. Cattle Feeding. (25 minutes.)
6. Growing and Preserving Pork for Family Use. (25 minutes.)
7. The Farmer and His Wife. (30 minutes.)
8. Home Influence. (40 minutes.)
9. Education for Country Children. (35 minutes.)
10. Farmers as We Find Them. (30 minutes.)

CALLAHAN, ELLERY E., Wellsboro, Tioga County, Pa.:

1. How We Made Some Money With Small Pigs.
2. How We Raise Calves on Separator Milk.
3. How We Made an Old Bark Slashing in 21 Years Keep 25 Cows.
4. How We Do Our Dairy Work for Three Cents Per Day for Power.
5. Our Cow Act in 1897 and 1907.
6. How We Secured Our Water Supply.
7. How We Keep Our Boys on the Farm.
8. How We Grow and Cure Our Hay Crop and Keep Our Farm Free of Weeds.
9. Butter Making on the Farm, from 15 to 40 Cents Per Pound in Ten Years.
10. Should a Farmer be Jack of all Trades or be a Specialist. (10 to 25 minutes each.)

CAMPBELL, J. T., Hartstown, Crawford County, Pa.:

1. Poultry Houses and Fixtures. (Lantern slides) (40 minutes.)
2. Poultry, Breeds and Breeding. (30 minutes.)
3. Poultry Feeds and Feeding. (40 minutes.)
4. Poultry, Incubators and Brooding. (Lantern slides.) (30 minutes.)
5. Poultry, Feeding and Care of Little Chicks. (30 minutes.)
6. Poultry, Lice, Gapes and Diseases. (30 minutes.)
7. Poultry, the Business Side. (30 minutes.)
8. Profitable Egg Production. (60 minutes.)
9. Economic Maintenance of Productivity of the Soil. (45 minutes.)
10. Crop Rotation in Relation to Soil Improvement. (40 minutes.)
11. The Making of the Soil. (Lantern slides) (45 minutes.)
12. The Farm of Life. (Evening Lecture) (50-60 minutes.)

CARD, FRED W., Sylvania, Bradford County, Pa.:

1. Soil Fertility. (45 minutes.)
2. Business Management of the Farm. (45 minutes.)
3. Farm Accounts. (30 minutes.)
4. Opportunities for Young Men and Women in Agriculture. (45-60 minutes.)
5. Fruit Growing. (30 minutes.)
6. Ornamentation of Home Grounds. (30 minutes.)
7. The Farm as a Home. (20-30 minutes.)
8. Swine Husbandry. (20 minutes.)
9. Some Business Problems in the Dairy. (20 minutes.)
10. The Education We Need. (30 minutes.)

CLARK, M. N., Claridge, Westmoreland County, Pa.:

1. Buying and Care of Farm Implements. (25 minutes.)
2. Farmers Should be Good Grangers. (30 minutes.)
3. A Money Maker, "Grow Hogs." (25 minutes.)
4. Theory and a Practical Education. (25 minutes.)
5. Marketing the Products of the Farm. (30 minutes.)
6. Whats the Matter With the Clover Crop. (25 minutes.)
7. Deep or Shallow Plowing. (20 minutes.)
8. Method of Farming a 75 or 100 Acre Farm. (30 minutes.)
9. Wheat Growing.

CONARD, DR. M. E., Westgrove, Chester County, Pa.:

1. Facts a Successful Dairyman Should Know.
2. The Dairy Barn and Surroundings.
3. How to Cheaply Remodel an Old Barn for Dairy Purposes.

4. Increasing Demand of Cities for Good Clean Milk.
5. The Effect of Animal Diseases on Milk.
6. Some Facts About the Feeding of Calves.
7. Some of the Common Causes of Lameness in Horses and How They May be Prevented.
8. Prevention of Diseases Easier and Better Than Cure.
- Other Dairy and Veterinary Topics as Desired.

COOKE, PROF. WELLS W., U. S. Dept. of Agriculture, Washington, D. C.:

1. Commercial Fertilizers; Their Purchase and Use.
2. Testing Milk and Its Products.
3. Alfalfa Growing in Pennsylvania.
4. Economical Feeding of Farm Stock.
5. The Restoration and Preservation of a Worn Out Soil.
6. The Most Profitable Use of a Silo.
7. The Effect of Feed on the Quantity and Quality of the Milk.
8. Nature Study in the Public Schools.
9. The Economical Feeding of the Farmers Family.

COX, JOHN W., New Wilmington, Lawrence County, Pa.:

1. A Practical Education for the Farmer.
2. San José Scale and Other Fruit Tree Insects.
3. How to Make the Soil More Productive.
4. Commercial Fertilizers.
5. Conserving Soil Moisture and the Value of Humus.
6. Feeding and Care of Poultry.
7. The Easiest and Most Profitable Way to Grow Potatoes. (30 minutes each.)

DETRICH, DR. J. D., No. 438 Adams Avenue, Scranton, Lackawanna County, Pa.:

1. How to Keep Twenty Head or More of Dairy Animals on Fifteen Acres.
2. Twenty-five Years Experience in Soiling.
3. Sixteen Years Experience with the Wooden Silo.
4. How to Grow Crops on a Fifteen Acre Farm and no Fertilizer.
5. Feed, Breed and Care of the Dairy.
6. Farmers Raise Your Own Cows, but Buy Your Own Bull.
7. The Agricultural College and the Farmer.
8. The Farmer's Waste Basket.
9. The Small Farm, vs. the Large Farm.
10. Bench, Book and Farm.
11. How to Raise Hay Crops Without Weeds.

DRAKE, W. M. C., Volant, Lawrence County, Pa.:

1. How to Grow Clover. (40 minutes.)
2. Corn Breeding and Selection of Seed. (40 minutes.)
3. Breeding, Feeding and Care of Sheep. (50 minutes.)
4. The Uses of Commercial Fertilizers. (30 minutes.)
5. Raising Horses for Market. (50 minutes.)
6. Potato Culture. (30 minutes.)
7. Fruit Culture. (30 minutes.)
8. The Education of the Future Farmer. (50 minutes.)
9. Home Influence. (50 minutes.)

ESCHBACH, I. A., Milton, R. F. D. No. 1, Northumberland County, Pa.:

1. Value of Fertility. (20 minutes.)
2. Importance of Livestock on the Pennsylvania Farm. (30 minutes.)
3. Silo and Silage. (20 minutes.)
4. Farm Conveniences. (25 minutes.)
5. The Education of Farmers' Boys. (20 minutes.)
6. Roads for Farmers. (20 minutes.)

FASSETT, F. H., Meshoppen, Wyoming County, Pa.:

1. Pruning. (20 minutes.)
2. Care and Management of Orchard. (20 minutes.)
3. Spraying and Marketing. (20 minutes.)
4. Strawberries. (20 minutes.)
5. Possibilities of Apples in Pennsylvania. (25 minutes.)
6. Advantages of Farm Organizations. (25 minutes.)

FREAR, DR. WM., State College, Centre County, Pa.:

1. Fertilizer Economics. (20 minutes.)
2. Accumulation and Uses of Humus. (20 minutes.)
3. Condimental Stock Foods; Their Uses and Abuses. (20 minutes.)
4. Selection of Seed Corn. (30 minutes.)
5. The Gain in Soil Nitrogen Resulting From the Use of Leguminous Crops. (20 minutes.)
6. The Value of Limestone as Compared with Lime for Soil Improvements. (20 minutes.)
7. Pennsylvania Experience in Growing Sumatra-type Wrapper Tobacco. (20 minutes.)

FUNK, DR. J. H., Boyertown, Berks County, Pa.:

1. Commercial Orchardng. (45 minutes.)
2. Pruning, Fertilizing and Thinning. (45-60 minutes.)
3. Spraying. (45 minutes.)
4. San José Scale and Other Insects. (45 minutes.)
5. Small Fruits. (45 minutes.)
6. Birds and Insects as Friends and Foes. (60 minutes.)
7. The Peach and How to Raise It. (45 minutes.)
8. Potato Culture. (45-60 minutes.)

GOODERHAM, H. M., Patton, R. F. D. No. 1, Cambria County, Pa.:

1. Barn Manures; Their Waste and Treatment. (20 minutes.)
2. The Coming Farmer and His Education. (20 minutes.)
3. Agriculture and our Rural Schools. (15 minutes.)
4. Observations through Organization. (25 minutes.)
5. Pure Breeds vs. Mongrels. (20 minutes.)

HALL, HORACE H., Ellisburg, Potter County, Pa.:

1. Cheese Dairying, Co-operation and Private.
2. Hay as a Money Crop.
3. Registered vs. Grade Stock.
4. Strawberries for the Home and Market.
5. Farm Telephones.
6. Cement for Stable Floors, Cellar Bottoms and Walks.
7. Why Farmers Should Organize.
8. What Education Farmers should Have.
9. Cost of Conveniences for Farmers' Homes.
10. Peace or War and Farmers' Relations to Each.

HERR, JOEL A., Millhall, Clinton County, Pa.:

1. Specialties in Farming.
2. Commercial Fertilizers and Their Uses.
3. Practical Road Making.
4. Maintenance of Farm Fertility.
5. Selection and Breeding of Dairy Cows.
6. Education through Organization.
7. The Bright Side of Farm Life.
8. Starting an Orchard.
9. The Farmer as a Citizen.
10. The Value of a Wood Lot.
11. Raising Cows for the Market.

HERTZOG, PROF. P. H., Division of Zoology, Dept. of Agriculture,
Harrisburg, Pa.:

1. Orchard Site and Planting.
2. Pruning and Orchard Management.
3. Orchard Enemies.
4. Problem of Scale Insects.
5. Facts Worth Knowing About Weeds.
6. Neglected Phases of Nature Study.
7. Beneficial and Injurious Insects. (30 to 45 minutes each.)

HILL, W. F., Huntingdon, Huntingdon County, Pa.:

1. Desirable Soil Conditions.
2. Saving and Applying Manure.
3. Observations in Our Own Country.
4. Observations in Foreign Lands.
5. Organization; The Present Power.
6. Farmers in the Field of Banking. (20 minutes each.)

HOOVER, E. S., Lancaster, R. F. D. No. 3, Lancaster County, Pa.:

1. Forestry as Pertaining to Farming. (20 minutes.)
2. Education of Farmers' Sons. (20 minutes.)
3. System on the Farm. (15 minutes.)
4. Beautifying the Home Grounds. (20 minutes.)
5. Soil Improvements. (25 minutes.)
6. Cultivation of Tobacco; Raising, Curing and Preparing for Market. (20 minutes.)
7. The Proper Time for Harvesting Farm Crops. (20 minutes.)
8. The Value of Tree Growing on the Farm. (20 minutes.)
9. The Horse; His Breeding, Rearing and Training. (25 minutes.)
10. Wastes on the Farm. (20 minutes.)
11. Care of Farm Machinery. (20 minutes.)

HULL, GEO. E., Transfer, R. F. D., Mercer County, Pa.:

1. Producing and Marketing Clean Milk. (20-25 minutes.)
2. Making and Marketing Good Butter. (30 minutes.)
3. History of the Dairy Breeding of Cows. (25 minutes.)
4. Construction and Filling of Silos. (20 minutes.)
5. Construction of a Labor Saving Dairy Barn. (20 minutes.)
6. Marketing Farm Products. (30 minutes.)
7. The Farm Water Supply.
8. Feeding Steers for Market. (20 minutes.)
9. Our Farm Homes. (30-40 minutes.)

JACKSON, HOMER W., Cambridge, Ohio, R. F. D. No. 1.:

1. Winter Eggs. (30 minutes.)
2. Poultry Houses; Location and Construction. (15-30 minutes.)
3. Poultry Keeping on the Farm. (15-30 minutes.)
4. Poultry as a Specialty. (15-30 minutes.)
5. Producing and Fattening Market Poultry. (15-30 minutes.)
6. Going Into the Chicken Business. (Evening Lecture) (30-60 minutes.)

JOHNSON, DR. JOSEPH, Westgrove, Chester County, Pa.:

1. Contagious Diseases of the Cow in Pennsylvania. (20-30 minutes.)
2. Rabies.
3. Relation of the Milk Consumer with the Production. (20-25 minutes.)
4. Tuberculosis. (25 minutes.)
5. Hog Cholera and Its Prevention. (15-25 minutes.)
6. Meat Inspection. (20-25 minutes.)

KAHLER, A. J., Hughesville, Lycoming County, Pa.:

1. Soil Fertility.
2. Corn Culture and Corn Breeding.
3. Taxation.
4. Hogs for Profit.
5. Concentration of Schools in Rural Districts.
6. My Experience with Lime and Commercial Fertilizer.
7. Proper Care of Barnyard Manure.
8. Poultry.
9. Give the Boys a Chance.
10. Breeding, Treating and Selection of Corn. (20-40 minutes.)

KESTER, R. P., Grampian, Clearfield County, Pa.:

1. Dairy Types and Breeds.
2. Profitable Feeding of the Dairy Cow.
3. Making the Dairy Pay.
4. The Silo an Essential to Profitable Dairying.
5. Poultry Culture.
6. Planting and Caring of Fruit Trees and Plants.
7. Advantages of a Rural Life. (Illustrated Lecture.)
8. Fertility Regained and Retained. (30 minutes each.)

LEDY, J. H., Marion, Franklin County, Pa.:

1. General Fruit Growing and How to Take Care of Trees. (40 minutes.)
2. Pruning the Orchard. (Illustrated.) (60 minutes.)
3. Peach Culture for Profit. (30 minutes.)
4. Cultivation and Fertilization of the Orchard. (30 minutes.)
5. The Farmers' Garden and How to Make it Profitable. (30 minutes.)
6. How to Build Up a Poor Farm by the Use of Legumes. (30 minutes.)
7. Alfalfa, Its Value and How to Grow It. (30 minutes.)
8. San José Scale and Other Insects; How to Control Them. (30 minutes.)
9. Poultry for Profit and How to Make Hens Lay in January. (30 minutes.)
10. Spraying; Its Importance and How to do It. (30 minutes.)
11. The Farmer's Wife; Her Troubles and How to Make Life Pleasant for Her. (30 minutes.)

LEHMAN, AMOS B., Fayetteville, Franklin County, Pa.:

1. Animals; Handling for Profit.
2. Restoring an Abandoned Farm.
3. Insects; Friends and Foes.
4. Methods and Observations in Fruit Culture.
5. Theory and Practice on the Farm.
6. Legumes and Their Uses.

LIGHTY, L. W., East Berlin, Adams County, Pa.:

1. The Farmers' Cow; How to Make Her Profitable. (50 minutes.)
2. Feeding the Dairy Cow. (45 minutes.)
3. Culture and Feeding the Corn Crop. (45 minutes.)
4. Silo Experience and Practice. (30 minutes.)
5. Siloing and Soiling Crops. (30 minutes.)
6. Value, Cure and Application of Farm Manure. (30 minutes.)
7. Producing and Marketing Dairy Products. (40 minutes.)
8. Improving and Maintaining the Fertility of Our Soils.
9. The Making of a Home on the Farm. (30 minutes.)
10. Education for Our Boys and Girls; What and How. (45 minutes.)

MAIRS, PROF. T. I., State College, Center County, Pa.:

1. Beef Production.
2. Pork Making.

3. Mutton Growing.
4. Horse Breeding for Farmers.
5. Farm Poultry.
6. Stable Construction.
7. Leguminous Crops as a Source of Protein. (20-30 minutes each.)

McCURDY, CLARENCE C., Hartstown, Crawford County, Pa.:

1. Hatching and Raising Little Chicks. (15-20 minutes.)
2. Profitable Poultry on the Farm. (15-20 minutes.)
3. Seed Corn; Selection and Improvement. (15-20 minutes.)
4. Corn Culture. (20-25 minutes.)
5. Potato Culture. (15-20 minutes.)

KLEIN, DR. LOUIS A., Deputy State Veterinarian, Harrisburg, Pa.:

1. Diseases of Domestic Animals.
2. Farm Sanitation.
3. The Control of Some Common Diseases of Farm Animals.
4. Conditions Essential to the Production of Sanitary Milk.
5. The Preparation of Meats for the Market.

McDOWELL, M. S., State College, Centre County, Pa.:

1. Soils and Their Requirements.
2. Lime and Its Uses.
3. A Few Facts About Bacteria.
4. Agriculture an Art.
5. Insoluble Phosphate.

MENGES, PROF. FRANKLIN, York, York County, Pa.:

1. Domestic Chemistry.
2. Fixation of Free Nitrogen and Nitrification.
3. Maintenance of Soil Fertility and Soil Moisture.
4. Methods of Raising Hay.
5. Methods of Crop Rotation to Introduce Clover.
6. Benefits of Corn Breeding.
7. The Necessity of Education for the Farmer.
8. Denatured Alcohol in Agriculture.
9. Insect Life.
10. Economy of Production of Crops for Food; Humus and Fertility.
11. Large Yielding Wheats Under Good and Poor Cultivation. (30 to 40 minutes each.)

MOATS, H. E., Jamestown, Mercer, Mercer County, Pa.:

1. Improvement of Corn. (30 minutes.)
2. The King Road Drag. (20-25 minutes.)
3. Handling of Farm Manure. (30 minutes.)
4. Doubling the Grass Crop. (25 minutes.)
5. Silage as an Economical Factor in Beef Production. (20 minutes.)
6. Maple Syrup Making. (15-20 minutes.)
7. Get Out of the Surging Mass and Make Thyself a Master. (25 minutes.) (Evening Lecture.)

NORTHUP, H. W., Dalton, R. F. D. No. 1, Lackawanna County, Pa.:

1. Selection, Care and Management of the Dairy.
2. Practical Experience with the Silo.
3. Potato Culture.
4. The Exhaustion and Restoration of Our Soil.
5. Fruit Culture.
6. Specialties in Farming.
7. Farm Products and How to Market Them.
8. Nature Study for Country Schools.
9. Educating the Farmer and Increasing His Usefulness.
10. Desirable Country Homes and How to Enjoy Them. (30 minutes each.)

OWENS, WM. C., Lewisburg, Union County, Pa.:

1. Formation and Improvement of Soils. (30 minutes.)
2. Chemistry of the Soil. (30 minutes.)
3. Farm Sanitation. (60 minutes.)
4. Farmers' Need of an Education. (60 minutes.)
5. Weeds; What They Mean to the Farmer. (30 minutes.)
6. Chemistry and Use of Manure. (30 minutes.)
7. Retaining Soil Moisture. (30 minutes.)
8. The Country School Teacher. (30 minutes.)

PEACHEY, J. H., Belleville, Mifflin County, Pa.:

1. Butter Making on the Farm.
2. Corn Culture.
3. Selection of Seed Corn.
4. The Clover Crop and How to Grow It.
5. Alfalfa.
6. Breeding and Feeding the Pig.
7. Soil Improvement.
8. The Problem of Education for Country Children.
9. Goodby; Take Care of the Farm. (30-45 minutes.)

PENNY, PROF. CHAS. L., State College, Center County, Pa.:

1. Insecticides and Fungicides.
2. Miscible Oils for Treatment of Insects. (60-80 minutes.)

PHILIPS, T. J., Atglen, Chester County, Pa.:

1. Commercial Fertilizer; Their Nature and Use. (30 minutes.)
2. Barnyard Manure; How to Use It. (30 minutes.)
3. Green Manure Crops. (25 minutes.)
4. Intelligent Dairy Feeding. (35 minutes.)
5. Why Does the Quality of Milk Change. (30 minutes.)
6. Lime; What it Does for the Farm. (25 minutes.)
7. The Silo an Economic. (40 minutes.)
8. When Chickens are Profitable. (25 minutes.)
9. The Home and Its Maker. (45 minutes.)
10. The Farmers' Table. (35 minutes.)

PHILLIPS, E. L., New Bethlehem, R. F. D. No. 2, Clarion County, Pa.:

1. Some Things Worth Having.
2. How to Buy Commercial Fertilizer and How to Use It.
3. The Need of Lime in the Soil.
4. Caring for the Soil.
5. Good Roads; How to Get Them. (25-35 minutes each.)

PILLSBURY, PROF. J. P., State College, Centre County, Pa.:

1. Pruning. (30-40 minutes.)
2. How to Plant an Orchard. (20-30 minutes.)
3. Strawberry Culture. (20-25 minutes.)
4. Care of Ornamental Trees and Shrubs. (20-25 minutes.)
5. Grafting and Budding. (30-40 minutes.)

POSTEN, B. MONROE, Sheakleyville, Mercer County, Pa.:

1. The American Hen and the American Farmer. (30 minutes.)
2. When Springtime Calls the Roll. (Poultry.) (30 minutes.)
3. Poultry Building and How to Feed. (20 minutes.)
4. The Farmers' Winter Evenings. (20 minutes.)
5. Stopping the Leaks that Mortgage the Farm. (20 minutes.)
6. How Can Farm Life be Made the Most Enjoyable of All. (30 minutes.)
7. When Will the Prodigal Return or When the Farmer Can Kill the Fatted Calf. (30 minutes.)
8. How to Keep the Boy on the Farm. (30 minutes.)

RICH, CHAS. H., Woodland, Clinton County, Pa.:

1. Atmospheric Nitrogen; Its Possibilities; How Obtained. (40 minutes.)
2. The Harmony of Science in Agriculture. (45 minutes.)
3. Every Farmer His Own Chemist. (30-60 minutes.)
4. Essential to Success and Happiness in Farm Life. (30-40 minutes.)
5. Our Farm World and Government. (40 minutes.)
6. Economics and Community of Interests Effecting the Farmer. (40 minutes.)
7. Relation of the Farmer to the Government. (30-40 minutes.)

ROSS, A. B., Schellsburg, Bedford County, Pa.:

1. A Plain Talk to Plain Men About Nitrogen Gathering Bacteria. (Illustrated.)
2. Practical Methods of Improving Quality and Quantity of Field Corn. (40 minutes.) (Illustrated.)
3. Losses in Farm Manures and By-products and How to Stop Them. (20 minutes.)
4. The Farm Garden; From Seed to Table. (30 minutes.)
5. Results of Comparative Tests of Seed and Methods. (40 minutes.)
6. The Physical Value of Cheerfulness. (15 minutes.)
7. Fertilizer Formulas Simplified. (30 minutes.)
8. Inexpensive Methods of Testing Your Soil. (20 minutes.)
9. The Humorous Side of Farming. (20 minutes.)
10. Corn and Other Seed Testing Simplified. (30 minutes.)
11. Potatoes with Results of Experiments in Blight Proofing, 33 Varieties and Specimens.

SCHWARZ, R. F., Analomink, Monroe County, Pa.:

1. Market Gardening.
2. Small Fruit Growing.
3. The Orchard.
4. The Thorough Understanding of the Fertilizer Question.
5. The Home Mixing of Fertilizer.
6. Profit in Poultry.
7. The New Road Law and Road Developement. (Evening Lecture.)
8. Reclaiming Worn Out Soil Without Manure or Success With Vetches.
9. The Farmers' Problem of Education for His Children.
10. Fruit and Vegetables for the Farmers' Table.
11. Economy in Production; The Keynote to Financial Success, (30 to 50 minutes each.)

SCHOCK, OLIVER D., Asst. Dairy and Food Commissioner, Harrisburg, Pa.:

1. What Pure Food Laws Have Accomplished.
2. The Dawn of a New Agriculture.
3. Beautifying Country Homes.
4. Education for Farmers' Sons and Daughters.
5. Benefits of the County Fairs.

SEEDS, ROBERT S., Birmingham, Huntingdon County, Pa.:

1. Value of Barnyard Manure. (30 minutes.)
2. Soil Improvement, the Keynote to Agriculture. (30 minutes.)
3. The Value of Fertility and Cheapest Way to Get It. (40 minutes.)
4. Education and the Farmer. (20 minutes.)
5. Benefits Derived From Farmers' Institutes. (20 minutes.)
6. What Constitutes a Country Home. (45 minutes.)
7. Mistakes in Life Exposed. (60 minutes.)

STEPHENS, A. W., Lewisburg, Union County, Pa.:

1. Some Common Orchard Insects and How to Control Them. (30 minutes.)
2. Spraying. (30 minutes.)
3. Making an Old Orchard Profitable. (30 minutes.)
4. Fruit Growing in Pennsylvania. (60 minutes.)
5. Practical Co-operation. (30 minutes.)

STEWART, PROF. J. P., State College, Centre County, Pa.:

1. The Business of Fruit Production.
2. Management of the Young Apple Orchard.
3. Management of the Young Bearing Orchard.
4. The Selection and Improvement of Varieties.
5. The Principal Insects of the Apple.
6. Prevalent Apple Diseases.
7. Peach Growing.
8. Important Enemies of the Peach.
9. Horticultural Literature and Its Use.

STOUT, W. H., Pinegrove, Schuylkill County, Pa.:

1. Fruit Growing.
2. Market Gardening and Small Fruit Growing.
3. Geological Observations.
4. Bee Keeping.
5. Manures and Fertilizers.
6. Theory vs. Practice.

THOMAS, SARA PHILLIPS, Wayne, R. F. D. No. 1, Delaware County, Pa.:

1. Practical Helps or Useful Suggestions. (30 minutes.)
2. Domestic Economy. (15 minutes.)
3. Using What We Have. (20 minutes.)
4. Scientific Instruction of Temperance in Our Public Schools. (20 minutes.)
5. The Enlargements of Woman's Sphere. (20 minutes.)

VAN NORMAN, PROF. H. E., State College, Center County, Pa.:

1. On What the Dairy Profit Depends.
2. Helpful and Harmful Bacteria.
3. Why Does the Tests Vary.
4. The Young Folks Chance.
5. Something the Agricultural College and Experiment Station May Do.
6. Feeding Practice.
7. Skim-milk; Butter-milk; Why?
8. Only a Cow; That's the Rub.
9. Cow Stable Devices.
10. Silos and Silage.

VAN NOY, LEON OTICE, Troy, R. F. D. No. 66, Bradford County, Pa.:

1. Farming vs. Other Occupations. (60 minutes.)
2. Swine as a Sideline With Dairy. (15 minutes.)
3. Making Butter on the Farm. (15 minutes.)
4. The Silo. (15 minutes.)
5. The Dairy Cow. (15 minutes.)

WAGNER, F. J., Harrison City, Westmoreland County, Pa.:

1. Soils and Soil Making. (15-20 minutes.)
2. The Business Side of Farming. (20 minutes.)
3. Dairying for Profit. (20 minutes.)
4. Clover and Its Cultivation. (20 minutes.)
5. The Choice of Feeding Stuffs. (20 minutes.)
6. The Importance of Humus in the Soil. (20 minutes.)
7. The Farmers' Education. (20-25 minutes.)

WALLACE, MRS. MARY A., Beechwood and Shaw Avenues, Pittsburgh, Pa.:

1. Thoughts for all Workers. (30 minutes.)
2. Consolidation of Rural Schools. (30 minutes.)
3. Housekeeping; How to Do It. (30 minutes.)
4. Sanitation of the Farm Home. (20 minutes.)
5. Making Butter with Few Cows. (15 minutes.)
6. Utilization of Skim Milk. (15 minutes.)
7. Food for Growing Children. (30 minutes.)

WATTS, PROF. R. L., State College, Centre County, Pa.:

1. Soil Improvement by Green Manuring.
2. Practical Plant Feeding.
3. Soil Moisture Problems.
4. The Business Side of Farming.
5. The Family Orchard.
6. Commercial Orchardling in Pennsylvania.
7. Small Fruit Culture.
8. Garden Crops That Pay and How to Grow Them.
9. Horticulture in Our Rural Schools.
10. Your College and Mine.

WATTS, D. H., Kerrmoor, Clearfield County, Pa.:

1. The Apple Orchard and Its Care. (30 minutes.)
2. Orchard Enemies and How to Combat Them. (30 minutes.)
3. Building Up the Dairy Herd for Profit. (30 minutes.)
4. The Feed and Care of the Cow. (30 minutes.)
5. The Silo and Why Profitable. (30 minutes.)
6. Steam Power as Used on Our Farm. (15 minutes.)
7. Gilt-edge Butter; How to Make and Sell It. (30 minutes.)
8. Farm Buildings and Blunders. (30-40 minutes.)
9. The Farmer of the Future. (30-40 minutes.)

WAYCHOFF, G. B., Jefferson, Greene County, Pa.:

1. Both Sides of the Lime Question. (30-45 minutes.)
2. Clover as a Soil Renovator. (30 minutes.)
3. How Humus Improves Crop Production. (25 minutes.)
4. Importance and Control of Soil Moisture. (25 minutes.)
5. Commercial Quality of Farm and Garden Seeds. (25 minutes.)
6. The Market Gardener's Secret. (30 minutes.)
7. Why Educate the Farmer. (30 minutes.)
8. Some Defects in Our Educational System. (30 minutes.)
9. A Study of Plant Roots. (25 minutes.)
10. Soil Bacteria. (25 minutes.)

WELD, R. J., Sugargrove, Warren County, Pa.:

1. The Rotation of Crops. (30 minutes.)
2. Some Losses From the Manure Piles. (20 minutes.)
3. Improving the Dairy Herd. (30 minutes.)
4. Butter Making at Home. (20 minutes.)
5. Maple Sugar and Syrup Manufacture. (20 minutes.)

WILSON, CHAS. A., Stewartstown, R. F. D. No. 4, York County, Pa.:

1. The Potato and How to Grow It. (50 minutes.)
2. Soil Fertility and How to Maintain It. (50 minutes.)
3. Commercial Fertilizers. (30 minutes.)
4. The Progress of Agriculture in U. S. (50 minutes.)
5. Application of Fertilizers to Various Crops. (30 minutes.)
6. Farm Management. (30 minutes.)

WITTMAN, W. THEO., Allentown, Lehigh County, Pa.:

1. First Principles in Up-to-date Poultry Keeping. (40 minutes.)
2. The Stock or Varieties of Poultry.
3. The Poultry Home and How and Where to Build It. (30 minutes.)
4. Poultry Feeding and a Balance Ration. (30 minutes.)
5. Why Farmers' Wives and Their Sons Should and Could Turn More to Poultry. (Evening Lecture.)
6. A True Story of How Hens Paid for a Farm. (Evening Lecture.)

WOLFF, WM. H., West Chester, Chester County, Pa.:

1. How Plants Feed and Grow. (30 minutes.)
2. Common Plant Diseases and Their Control. (40 minutes.)
3. Principles and Methods of Pruning. (30 minutes.)
4. Principles and Methods of Grafting. (30 minutes.)
5. Some Common Orchard and Garden Insects, and How to Control Them. (40 minutes.)
6. Beautifying the Home Grounds. (40 minutes.)
7. A Vacation Trip to the Bermuda Islands. (40 minutes.)
8. Interesting Incidents in a Two Year War Against Insects and Diseases of Plants.
9. Transplanting of Trees and Shrubs. (30 minutes.)

WOLSIEFFER, J. HARRY, Buck Hill Falls, Monroe County, Pa.:

1. Poultry on the Farm.
2. Winter Eggs and How to Get Them.
3. Incubators and Brooders for the Farmer.

4. Care of Young Chicks.
5. Poultry House Construction for the Farmer.
6. Care and Feeding of Poultry.
7. A Few Reasons Why Some Fail.
8. The Trap Nest and Its Use.
9. The Advantage of Pure Bred Poultry Over the Scrub.

WOODMAN, A. PAUL, Rushland, Bucks County, Pa.:

1. Economical Use, Care and Production of Barnyard Manure. (30 minutes.)
2. Peaches; How to Grow Them. (30 minutes.)
3. The Clover Question. (30 minutes.)
4. The Farmers' Orchard as a Source of Pleasure and Profit. (30 minutes.)
5. Increasing the Profits of the Dairy. (30 minutes.)
6. The San José Scale. (20 minutes.)
7. Commercial Fertilizers. (20 minutes.)

ZEIGLER, SARAH B. FRITZ, Duncannon, Perry County, Pa.:

1. Practical Ways of Farmers' Wives Making Money. (15 minutes.)
2. The Mission of Beauty. (30 minutes.)
3. The Wife a Partner. (25-30 minutes.)
4. The Social Side of Farm Life. (25 minutes.)
5. The Farmer of the Future in the Child of Today. (20 minutes.)
6. Our Country Homes. (20 minutes.)

LIST OF SPECIAL INSTITUTE INSTRUCTORS.

- Prof. Alva Agee, State College, Pa.
 Dr. H. P. Armsby, State College, Pa.
 J. S. Burns, Imperial, Pa., R. F. D. No. 1.
 Dr. J. D. Detrich, No. 438 Adams Street, Scranton, Pa.
 H. B. Hilton, Port Allegany, Pa.
 Dr. Thomas F. Hunt, State College, Pa.
 Dr. Louis A. Klein, Deputy State Veterinarian, Dept. of Agriculture, Harrisburg, Pa.
 Prof. T. I. Mairs, State College, Pa.
 Dr. Carl W. Gay, 36th and Woodland Avenue, Philadelphia, Pa.
 Fred. W. Hook, No. 603 Chestnut Street, Lancaster, Pa.
 M. S. McDowell, State College, Pa.
 Prof. Wm. G. Owens, Lewisburg, Pa.
 Mrs. Sara Walrath Lyons, No. 372 Monroe Street, Brooklyn, N. Y.
 Prof. J. P. Stewart, State College, Pa.
 Prof. H. E. Van Norman, State College, Pa.
 Prof. R. L. Watts, State College, Pa.
 J. Harry Wolsieffer, Buck Hill Falls, Pa.
 Dr. P. J. Mertz, Honeybrook, Pa.
 Dr. E. E. Tower, 5414 Osage Ave., Philadelphia, Pa.
 Dr. J. W. Sallade, Auburn, Pa.
 Dr. C. J. Marshall, 2004 Pine Street, Philadelphia, Pa.
 Dr. J. Bryce, Fifth and French Streets, Erie, Pa.
 Dr. L. G. Marshall, North Rome, Pa.
 Dr. W. D. Fuller, Somerset, Pa.
 Dr. J. C. McNeil, 3349 Webster Avenue, Pittsburg, Pa.
 Dr. C. T. Gentner, Malvern, Pa.
 Dr. E. S. Deubler, 5413 Norfolk Street, Philadelphia, Pa.
 Dr. M. J. Chrisman, 405 Pennsylvania Avenue, Warren, Pa.
 Dr. W. A. Haines, Bristol, Pa.
 Dr. B. M. Underhill, 3 W. Third Street, Media, Pa.
 Dr. M. E. Conard, Westgrove, Pa.
 Dr. H. W. Turner, New Hope, Pa.
 Dr. G. A. Dick, Kane, Pa.
 Dr. J. F. Butterfield, So. Montrose, Pa.
 Dr. E. M. Michener, North Wales, Pa.
 Dr. Geo. B. Jobson, Franklin, Pa.
 Dr. E. M. Crawford, 303 Elmira Street, Athens, Pa.
 Dr. T. E. Munce, Harrisburg, Pa.
 Dr. W. H. Ridge, Trevoise, Pa.
 Dr. L. A. Klein, Harrisburg, Pa.

DEPARTMENT LECTURERS.

In so far as time and circumstances will permit, the officers of the Department of Agriculture are desirous of engaging in Institute work.

In order to prevent disappointment in the arrangement of programs, it is recommended that Institute Managers first consult the individual whose services they may wish to secure, before placing his name on the program.

Department lecturers come to these Institutes free of charge, except that they are to be taken from and to the railroad station at the expense of local manager. The topics which they will discuss can be procured by addressing the following officers of the Department of Agriculture:

HON. N. B. CRITCHFIELD, Secretary of Agriculture.

HON. A. L. MARTIN, Deputy Secretary and Director of Institutes.

JAMES FOUST, Dairy and Food Commissioner.

PROF. H. A. SURFACE, Economic Zoologist.

DR. LEONARD PEARSON, State Veterinarian.

Biographical Sketches of the Institute Lecturers.

MRS. MOLLIE MacCLAUGHRY ALLEN was graduated from Cornell University, class of '93, having specialized in chemistry. She spent the next year in graduate work in chemistry and then taught science in the high schools of New York and Louisiana. Failure of health caused retirement to the country, where she became interested in agriculture and especially in poultry culture and fruit growing. This she has pursued for some years successfully and now has sole charge of the farm in Oswego county, N. Y. She is a member of the Institute force of New York state and has been called to deliver lectures before the class in Home Economics at Cornell University. She is an enthusiastic advocate of home sanitation and out-of-door work for women.

RICHARD D. BARCLAY graduated from the School of Agriculture of The Pennsylvania State College in 1905 and was granted the degree of Master of Science by that Institution in 1908. Demonstrator in Annual Nutrition at the College and Station Exhibit, St. Louis, Assistant Manager 1905 and Manager 1906 to 1908 of "Dolobran" and "Loopstown Farm," the estate and farm of C. A. Griscom, Esq., Haverford, Pa., Systematizer of Farm Accounts and Stock Records 1908, and President of the Scientific Spraying Co., 1908. Engaged in bee keeping since 1899.

S. F. BARBER was born in Union county, Pa., in 1855, was educated in the public schools and worked upon a farm until he was twenty-one. He then went into the mercantile business; 1877-8 was in the employ of the Buck Mountain Coal Company, in Luzerne county, as general manager of their company store, and in 1879-80 was in charge of the company store of the Stout Coal Company. Afterwards traveled in the West, particularly in Colorado, and then spent one year traveling for a dry goods firm in Philadelphia. In 1881 he settled down to farming, and has been engaged in that business ever since. His specialty is dairying, although he raises the general crops usual upon a Dauphin county farm.

WM. C. BLACK was born on a farm in Mercer county; educated in the common schools and at Westminster College; a soldier in the Civil War; a teacher in the common schools and a farmer in his native county, raising general farm crops and breeding Shorthorn cattle. He has been a successful exhibitor of animals of his own breeding at the principal fairs in Western Pennsylvania. He has been a diligent reader of the best farm and live stock journals, visited some of the best farms and herds in the United States and Canada, and attended the great live stock exhibits.

M. S. BOND was born on a farm in Montour county, Pa., February 26, 1834; lived and worked on a farm until eighteen years old, then taught school seven years, then was employed as a freight and passenger conductor for nine years, and traveled as lost freight and car tracer and purchasing agent for the Delaware, Lackawanna and Western Railroad Company for five years. Has been for over twenty-five years engaged in farming and market gardening; during a part of this time, engaged in breeding and raising blooded Jersey cattle and still keeps some of the best in the State; has made the raising of potatoes by the thousands of bushels a specialty for twenty-five years; has been and is now using more fertilizer to the acre than any man in his county, and is now making gardening a specialty.

DR. C. W. BRODHEAD was born December 20, 1852, near White Haven, Luzerne county, Pa. He received a common school education; commenced to work in a horseshoeing shop at 16 years of age; worked six years at the business when he began to study anatomy and to dissect feet and legs and the head under the instructions of an English veterinarian and has been a student of the best authors and in actual practice ever since; and is registered under the laws of Pennsylvania as a specialist as a veterinary dentist, animal castrations and pathological horseshoeing, and has been lecturing before institutes and farmers organizations for the last ten years, when not in actual practice in Pennsylvania and adjoining states.

MRS C. W. BRODHEAD was born in Rush, Susquehanna county, Pa., in the year 1864. Her father, Samuel Smith, was a successful farmer and butcher. She was educated in the public schools and always took an active part in all literary and social entertainments, even until the present time. She has always lived on a farm, taking particular interest in poultry with the exception of three years, and now in connection with her household duties, in taking care of an experimental flock of purebred poultry at her village home in Montrose, Pa. She is a member of the Farmers' Alliance and Daughters of Veterans. She is also a close student of all that goes to make up a happy rural or village home.

JOHN WESLEY BRUCKART was born on his father's farm in West Hempfield township, Lancaster county, Pa., in 1857. Received a common school education and taught school in his native county a number of years. His health failing he farmed the home place and began the raising of pure bred fowls. A dozen years ago he secured a place of thirteen acres adjoining Lititz borough. Here he has combined the business of market gardening and the growing of pure bred poultry with marked success. The annual income from his thirteen acre farm exceeding the income of the majority of farms ten times as large.

J. S. BURNS was born February 22, 1847, on the farm he now owns, near Clinton, Pa. His father died when he was seven years old, and from that time until he was twenty-one he worked upon the farm as hired help, receiving his board and clothing, and attending the public schools in the winter. His education received a brief finish at Linnean Academy, at Clinton. He was married when twenty-one, and soon after bought out the other heirs, and from the farm made the money that eventually paid for it. He has kept strict account of every item of income and expense since he was twenty-one years old, and to this habit of careful accounting he attributes much of his

success. He has had large experience in the breeding and care of all lines of farm stock, but during recent years has given more special attention to the breeding of Poland-China swine, and raising mutton lambs, together with the growing of all the different crops usually raised on a Western Pennsylvania farm. He has had considerable experience as a correspondent upon agricultural topics, and for a number of years has taken an active part in the Institute work of this State.

J. T. CAMPBELL was born in Springhill township, Fayette county, Pa., December 18, 1872; is the son of a prominent farmer; received his early education in the public schools of his native district; left the public schools with a more than average education, and at once took up the study of agriculture at home, while working on his father's farm; he studied carefully all leading books and journals of his day. Married in 1894, and took up gardening and poultry culture, and was successful from the start. When the Pennsylvania State College started its Correspondence Courses in Agriculture he took up the work and has since pursued same with diligence. Owns a large farm in Crawford county, upon which he has worked out many important agricultural problems. In poultry culture he has been especially successful, having made it a subject of special study, together with soil physics. Keeps in close touch with the State Experiment Station and the National Department of Agriculture; has written some for various agricultural and poultry journals.

DR. MILTON E. CONARD was born in Southern Chester county in 1851 of an ancestry of successful agriculturists. He obtained his education in the Public and High schools and Millersville State Normal School. He was for some years engaged in farming in his home locality; later taking the course in veterinary medicine at the University of Pennsylvania, graduating in 1891, in which institution he has for several years been lecturer of Dairy and Milk Inspection and Veterinary Obstetrics. Throughout his veterinary career he has been closely identified with dairy interests, practicing for some years in a dairy locality, and having for over ten years given his entire time as Inspector and Consulting Expert for a large number of the dairies furnishing milk to the City of Philadelphia from Pennsylvania, New Jersey, Maryland and Delaware.

M. N. CLARK was born near Export, Westmoreland county, Pa., July 16, 1848; received a good common school education, with several years at an academy and a full course at Duff's Commercial College, at Pittsburg; has always taken much delight in farming; is a close observer, and for many years has taken an active interest in agricultural affairs of his county; the cause of education has always found in him an earnest supporter; has been engaged in general farming from boyhood, except a few years spent in selling implements; was several seasons in the fruit growing regions of the South, and there gained much information in the use of commercial fertilizers and fruit growing; has been a member of the State Board of Agriculture for ten years, and at present is looking after the interest of his farm.

JOHN W. COX was born near New Wilmington, Lawrence county, Pa., December 27, 1868; received a common school education and a course at Duff's Commercial College, Pittsburg; has spent all his life on the farm; is a breeder of Jersey cattle on his 200-acre farm, besides Barred Plymouth Rock poultry. Wheat, oats, corn, hay and potatoes are his principal crops; is much interested in the education of the farmers' children, and is serving his third three-year term as school director; is pursuing the Correspondence Course of the Pennsylvania State College.

M. EARL CARR, B. S., of the United States Department of Agriculture, Bureau of Soils, Washington, D. C., was born on a farm in Western New York. His early life was spent in the neighborhood of his birth. After leaving the county district school he attended Chamberlain Institute, Randolph N. Y. Upon graduating there he taught school for a portion of three years. In the fall of 1899 he matriculated in the science course at Syracuse University, Syracuse, N. Y. While in college he specialized in chemistry and geology, being an assistant in the chemical laboratory during his junior and senior years. April 1, 1903, Mr. Carr was appointed in the Bureau of Soils of the United States Department of Agriculture, his college work being in such shape that he was excused from attendance from the above date until the close of the college year in June, when he was given the degree of Bachelor of Science. For the past four years Mr. Carr has been employed in the Soil Survey work of the Bureau of Soils, working in the different states and publishing jointly with others nine reports. During the present season, 1907, he has been detailed to make an investigation of the "abandoned farm" situation of southern New York and northern Pennsylvania as related to soils. Last winter he was elected to alumni membership in Phi Chi Phi, an honorary chemical fraternity at his Alma Mater.

NORMAN BRUCE CRITCHFIELD was born in Somerset county, July 20, 1838; was educated in the public and normal schools of his native county, and at the Ohio University, located at Athens, Ohio; he is by occupation a farmer; during the Civil War he served nine months in the One Hundred and Seventy-first Pennsylvania Militia, and at the close of his term entered the Twenty-eighth Pennsylvania Volunteers, with which regiment he continued until the close of the war; he has held in his own county the position of school director, county superintendent of public schools, prothonotary and clerk of courts; elected to the Senate, November 4, 1890; appointed judge in the Department of Agriculture at the World's Columbian Exposition in 1893, and served as vice president and chairman of the board of judges in said department; was re-elected to Senate in 1894, and appointed Secretary of Agriculture, February 24, 1903, and reappointed by Gov. Stuart, February 25, 1907.

Z. T. CURE was born in 1848, and attended the public schools, including the city high school, until seventeen years of age, after which he taught school for five years, and has followed farming and stock raising ever since. His school training has been supplemented by extensive reading courses, which, by the aid of free translations, covered the subjects taught in college courses, with the exception of higher mathematics. As sources of information on the topics which he discusses, he depends upon experience and observation, aided by Prof L. H. Bailey, of Cornell University, in the domain of horticulture and kindred subjects, and Andrew S. Fuller on the propagation of plants, etc., and other publications of authority, together with a careful perusal of the best agricultural periodicals of the day and a studious consultation of the latest bulletins of the Experiment Stations. He has had considerable experience in the discussion of literary and scientific subjects before teachers' institutes, and has made a careful study of the topics chosen to present at farmers' institutes.

J. D. DETRICH'S knowledge of agriculture, as a science, dates from 1882, since which time he has been availing himself of all the bulletins, magazines and books relating to soil, crops, dairying, breeding, feeding and rearing of dairy animals. This, together with information furnished by the colleges and experiment stations, he has put into practice, and the result has been a satisfactory and profitable system of extensive farming.

W. M. C. DRAKE was born in Lawrence county, August 16, 1860. He was educated at the public schools and a normal school at New Castle, Pa., passing a teachers' examination. He has spent all of his life on the farm; was president of the Farmers' Alliance in Lawrence county one term. He has been for several years past in partnership with his brother, operating 600 acres of land, besides a market garden and an extensive orchard.

I. A. ESCHBACH was born May 19, 1854, at Fallowfield on the farm he now owns near Milton, Northumberland county, Pa. His education was in the common schools, with a little finishing up at Academy at McEwensville, Pa. Married at twenty-one and has always been engaged in farming, has always taken an active interest in local affairs of his section, serving as school director for thirteen successive years; served as President of Board of Directors of Milton Fair Association; is at present chairman of good roads movement in his own county and member of the State Board of Agriculture in same. He has been a success as a farmer and stock-raiser. Breeding horses, cattle and sheep and hogs, together with raising all the general farm crops raised in his section. He has always taken active interest in Institute work in his county and is at home on all agricultural topics.

F. H. FASSETT, Meshoppen, Pa., was born June 3, 1855, in Windham township, Wyoming county, Pa.; moved to Meshoppen township in 1869 to the farm where he now resides; was educated in the common schools and a course in select school in Meshoppen borough; has been actively engaged in the growing of tree fruits with marked success for the past 25 years; all up-to-date methods of orchard treatment, spraying and pruning have been in use; took up the business of growing small fruits for the market some 12 years ago and has met with fair success. Is President of Wyoming County Horticultural Society and in close touch with the fruit interest of this section.

WILLIAM FREAR was born in 1860, in Reading, Pa. He was educated in the public schools of that city and of Norristown, entered the preparatory and later the collegiate department of Bucknell University, graduating in 1881; pursued a post graduate course at Illinois, Wesleyan and Harvard Universities. Spent the growing season of the year during his childhood and youth at work upon a Pennsylvania farm; was made assistant chemist to the United States Department of Agriculture, 1883-5, and was engaged in sugar-beet products and cereals. In 1885 he was elected professor of agricultural chemistry in the Pennsylvania State College, and in 1887 was made vice-director and chemist to the Pennsylvania State College Experiment Station. In 1888 he was elected chemist to the Pennsylvania Board of Agriculture, and in 1895 chemist to the Pennsylvania Department of Agriculture. He was also president of the National Association of Agricultural Chemists, and has been one of the leading lecturers upon the State force of Farmers' Institutes.

HORACE H. HALL, of the "Triplet Oak Farm," was born on a farm near Coudersport, Potter county, Pa., in 1853. He received most of his education in the common schools, though he attended the Emporium graded and the Coudersport high schools for a limited time. He received his first teacher's certificate when twenty and taught in the schools of Potter county for twenty years, mostly in the district schools, though he served as principal of the Galton and Oswago graded schools. When not engaged in teaching, he worked at farming or in the lumber woods. At forty he turned his whole

attention to farming, having bought 114 acres of bark slashing and woods, which he stocked with sheep while he was clearing and stumping, and in about ten years he has logged and stumped fifty acres, built substantial farm buildings, changed from a sheepman to a successful dairyman, and is a large producer of the finest strawberries.

JOEL A. HERR was born in Clinton county, Pa., and educated in the public schools and at Dickinson Seminary. He served in the Civil War and has been a student, teacher and farmer all his life. He lives now on his farm and gives special attention to fruit culture and stock raising. He is a member of the State Board of Agriculture.

P. H. HERTZOG was born on a farm near Ephrata, Lancaster county, Pa., September, 1880. He was educated in the public schools of his native township, afterwards at the Millersville State Normal School. Taught public school for three terms. He has had practical experience at fruit growing, tobacco raising and lumbering. He taught Chemistry and Zoology at the Millersville State Normal School for three years. He has been a non-resident assistant in the collection and study of plants and seed for the Bureau of Plant Industry, U. S. Department of Agriculture for several years past. Since the summer of 1906 is filling a position in the Division of Zoology at Harrisburg, doing research and experimental work along economic lines.

WILLIAM FREE HILL was born in '67 in South Shenango township, Crawford county, Pa. Attended different schools until he was sixteen, after which, three years were spent at Allegheny College. Returning from college to the farm he was successful, and after his father's early death bought more land until four hundred acres were under his management. Grange work soon made heavy demands upon him and he removed his family to Franklin county, a more central location in the State. Elected lecturer of the State Grange 1894-98. Since that time has been Master of the State Grange continuously. In 1901 was elected a trustee of the Pennsylvania State College and has been re-elected twice since. Is a member of the Advisory Committee of the Experiment Station and assists in determining the nature and character of the experimental work of this institution. In 1905 was appointed by President Roosevelt as one of three delegates to represent the United States government at the International Congress of Agriculture at Rome, Italy. Living now at Huntingdon, is devoting his attention to truck farming, to the extension of organization among farmers, and assisting in the establishment and operation of a chain of Grange banks throughout the State.

E. S. HOOVER was born in Lancaster county, Pa., in 1839; was educated in the public schools, White Hall Academy and the State Normal School at Millersville, taught school four terms, owns and controls a farm. Is engaged in general farming, at one time gave special attention to growing and feeding of live stock, especially in raising and training horses, and, later, devoted himself to the horticultural branch of agriculture. Acquired knowledge of agriculture by study, actual experience and experimenting. Is at present time a member of the board of trustees of Millersville State Normal School; was a member of the Legislature, 1883-1884; has for sometime and is at present engaged in Farmers' Institute work.

GEORGE E. HULL, the subject of this sketch, a number of years ago moved upon a worn-out farm without buildings in Mercer county. By industry, perseverance and intelligent effort he has succeeded in restoring it to the highest state of fertility; has placed thereon substantial and convenient farm buildings, and educated his children, without other income than that derived from the farm. His silos, stock scales, farm implements and improved live stock are the admiration of all progressive farmers.

A. J. KAHLER was born in Hughesville, Pa., in 1834; was educated in the public schools and afterwards taught school in his native county; has always lived upon a farm; has filled every local office in his township; was a member of the Legislature in 1891-1892; was president for six years of the County Agricultural Society; is a member of the State Board of Agriculture and has been identified with most of the leading farm organizations of the State.

KESTER, R. P., was born in Clearfield county, Pa., January 18, 1867. He now resides on the farm which his maternal great grandfather "took-up" and partially cleared nearly 100 years ago. It was farmed for 80 years in the old way and the fertility was depleted until it was one of the "worn out" farms. During the past few years Mr. Kester and his younger brother have been farming and dairying by modern methods, until now even five blades of grass grew where one grew before. Their leading business is dairying, although fruit, poultry and trucking receive attention. He was for 15 years a teacher and always a close student. And by learning from others and by experiments is making the old homestead farm pay.

J. H. LEDY was born in Marion, Franklin county, Pa., August 3, 1864, and received his education in the common schools of Guilford township and at the Chambersburg Academy. After leaving school he engaged in the mercantile business for seven years at Marion and Waynesboro, Pa. In the spring of 1889 he accepted a position with S. Smucker and Co., wholesale grocers of Philadelphia. He remained with this firm four years, when he was elected register and recorder of Franklin county, after which he became half owner and business manager of the People's Register, of Chambersburg, an independent journal of large circulation. He now owns and superintends 151 acres of apple trees, inlaid with peaches and plums. Mr. Ledy is a practical fruit grower, who loves the work and has turned his whole attention to it.

A. B. LEHMAN was born on the old Lehman homestead at Scotland, Pa., Sept. 9th, 1859. Attended the public schools and taught three terms under County Superintendent, Prof. Aaron Sheely, of Adams county, Pa. After the death of his grandfather, he moved upon the farm and has been engaged in his chosen line of work until the present time. He has devoted considerable time to the raising of hogs and cattle, and the growing at times of special crops, onions, potatoes and sweet corn for making a special product, evaporated sweet corn. At present is improving an abandoned farm by drainage, fertilization and cultivation, after the latest scientific methods under the direction of Farmers' Institute teaching.

L. W. LIGHTY was born in York county, Pa., in 1857; attended the public schools of his neighborhood; afterward attended a select school in Adams county and then taught school for seven winters. During this time he attended the York County Academy one term and also attended the State Normal School at Millersville. He then kept store, but not liking the business, he got out of it, and started in the poultry business, keeping both market and fancy poultry, and engaged in bee-keeping and the culture of small fruits. In 1893 he purchased the farm upon which he now lives. The land was worn out and the buildings quite dilapidated. He has improved this until it is now one of the best farms in his county. He has a large library of standard books, keeps a selected dairy of cows, and has all the modern improvements needed to equip a first-class farm.

THOMAS I. MAIRS spent his early life upon a stock farm and graduated from the College of Agriculture of the University of Missouri in 1896. He took graduate work at the Michigan Agricultural College, the University of Illinois and the University of Missouri. He was Superintendent of Field Experiments at the University of Illinois in 1896-7, and Assistant in Agriculture at the University of Missouri from 1897 to 1901. Since 1901 he has been connected with the Pennsylvania State College, as Assistant Superintendent of Correspondence Courses and Assistant Professor of Animal Husbandry. He has taught Dairy and Animal Husbandry and has had charge of the experimental work along these lines.

M. S. McDOWELL was born in Mifflin county, Pa.; attended the public schools, and Lewistown Academy; entered Pennsylvania State College in 1888, and was graduated in '92; after graduation was connected with a fertilizer manufacturing establishment in Baltimore, and later came to the chemical department of the Experiment Station, with which he has been connected for six years.

A. L. MARTIN was born near Mount Jackson, Lawrence county, Pa., in 1844; received his education in the public schools and at Poland (Ohio), College; served as school director in his native township and that of Little Beaver for eight years; filled the position of census enumerator in 1890; was elected to the House of Representatives in 1892, and served continuously until 1899; was during this continued service a member of the Agricultural Committee, and acted as its chairman in the session of 1897; by appointment of Governor Pattison, in 1893, became member of Farmers' National Congress and has been reappointed to same position by all subsequent Governors. Was appointed by Governor Stone, April 24, 1899, Deputy Secretary of Agriculture and Director of Farmers' Institutes for Pennsylvania, and reappointed by Governor Pennypacker, April 24, 1903, and also by Governor Stuart, April 24, 1907.

PROF. FRANKLIN MENGES, Ph. D., was born forty-six years ago at Menges' Mill, York county, Pa.; the first nineteen years of his life were spent on his father's farm, with all the ardour that farming meant in those days; he then began a course of preparation for college at the Baugher Academy, Hanover, Pa., and entered and graduated from Pennsylvania College, Gettysburg, with the class of 1886; was immediately tendered and accepted the position of assistant professor of chemistry in his Alma Mater, which position he held until 1896, when he came to York and took the professorship of the sciences in the York High School, which position he now holds; received the

degree of Ph. D. from his alma mater for special work in chemistry, mineralogy and physics. He has for years been a student of the "Experiment Station Record," and has continued an interest in practical agriculture, and has lectured before Farmers' Institutes.

HENRY W. NORTHUP was born on a farm in Abington, once considered the banner agricultural township in Luzerne county; he was educated in the public schools and at Madison Academy. His chief business is that of farmer and dairyman; has been greatly benefited in this line of business for the last ten years by having associated with some of the best and most practical agriculturists in this and adjoining States in the institute work; has had some experience in fruit and market gardening and in disposition of these products in the city of Scranton, where an excellent market has been secured.

PROF. WM. G. OWENS, of Bucknell University, was born in Union county; received his early education in the public schools of Lewisburg, Pittsburg and Allegheny City. Entered Bucknell University 1876; was graduated 1880; took his A. M. in 1883; taught in Bucknell University five years after graduation. In 1885 he became instructor in Natural Sciences. Took special work at Harvard and Berlin, Germany. In 1887 became professor of Chemistry and Physics, the position which he now holds. Has spent almost all his vacations on a farm and thus kept in close touch with Nature.

J. H. PEACHEY was born in Mifflin county, Pa., in 1851. His boyhood was spent upon a farm; was educated in the public schools and graduated from the Ohio Normal University in 1881. After completing his course at school he followed teaching. In 1887 he began farming for himself and gave attention chiefly to raising hogs, sheep and cattle.

DR. LEONARD PEARSON, State Veterinarian, was born in Indiana, August 17, 1868. In 1884 he entered Cornell University, and graduated in 1888 in the agricultural course. He graduated from the Veterinary Department of the University of Pennsylvania in 1890. During 1890-91 he attended lectures in the veterinary schools of Berlin and Dresden. In 1892 Dr. Pearson was appointed non-resident lecturer on veterinary science at the Pennsylvania State College. He was appointed State Veterinarian in 1896, was reappointed by Governor Stone, and immediately thereafter was elected secretary of the State Live Stock Sanitary Board. He was again reappointed by Governor Pennypacker and Governor Stuart, which position he still holds.

THOMAS J. PHILIPS was born upon a farm in Chester county, Pa., December, 1846; attended public and private schools and graduated from Bucknell University in 1867; spent three years in manufacturing iron, and traveling, and then settled upon the farm where he still lives, giving special attention to dairying and raising dairy stock, but devoting much of the 200-acre farm to the production of mixed crops, suitable to that location and market. That he has been a success is attested by the fact that he has been a director in a national bank for many years, a manager in one of the largest fire insurance companies in the State, and of a building and loan association; served two terms in the State Legislature, as a representative of the farming interests; he has contributed acceptably from time to time of his experience to the agricultural press, and in every way has kept in the front among the most progressive of his locality, believing in higher education, attractive country homes, and that success is the result of individual effort and judgment.

E. L. PHILLIPS was born on his father's farm in Clarion county, Pa. Was educated in the common schools and a course in the High School at Reid Institute, Pa. Since then he has studied extensively in agriculture. Was married in 1885, after which he devoted his time to agriculture, owning and operating his 200 acre farm with profit to himself. Said farm is in Clarion county, Pa. He has devoted his farm chiefly to the production of fruits, live stock and grain suitable to that location and market. He has been an experimenter with various plant foods. His real estate holdings and commercial standing are a strong recommendation to himself and to the farm.

J. P. PILLSBURY was born at Buena Vista, Ohio, in 1873. He was educated in the common schools of that State and the High School of Newark, Ohio. By competitive examination he secured a scholarship in the Missouri Botanical Gardens and Shaw School of Botany, St. Louis, Mo., where he completed a full four years' course of practical and scientific instruction in all branches of Horticulture. After his graduation he became the head gardener of the Pennsylvania State College and Experiment Station and was promoted to Assistant in Horticulture in 1898, which position he still holds. Mr. Pillsbury has had unexcelled opportunities for the study of the practical problems in horticulture and has written several bulletins and reports of his experience with fruits at the Experiment Station.

REV. B. MONROE POSTEN was born in Stroudsburg, Monroe county, Pa., educated in the public schools, and then attended business college in Newark, N. J. Was bookkeeper for Thos. A. Edison and M. Goulds Son and Co., the largest business of its kind in the world. He studied for the ministry, ordained in 1895, and has been in the pastorate ever since. Began raising fancy poultry, 1902, winning over 500 premiums at leading shows for excellence. Writes for a number of poultry and farm papers. Is president of borough council and president of board of education in home town. Has shipped poultry and eggs to every state and Panama as well as Burma.

OLIVER D. SCHOCK was born on a farm near Hamburg, Berks county, Pa., in 1858, and has always taken a deep interest in agricultural and horticultural affairs. He was educated in the common and high schools, including a course in a commercial and scientific academy. At the age of fifteen he became a newspaper correspondent, and continues to represent leading daily papers and agricultural journals. For a number of years he served as a special agent of the Pennsylvania State Board of Agriculture, and later as a clerk in the office of the Board, assisting Secretary Edge. With the creation of the Department of Agriculture, in 1895, Governor Hastings promoted Mr. Schock to the position of Chief Clerk in that Department, which position he filled until July, 1899. After several years experience in mercantile pursuits, he was appointed in the spring of 1903, under Governor Pennypacker's administration, to the position of Assistant Dairy and Food Commissioner of Pennsylvania, which position he now holds.

R. F. SCHWARZ was born near Berlin, Germany, in 1853; educated in Ducal Gymnasi and Ducal College, at Dessau. He came to New York in 1871, removed to Chicago in 1873, and in 1875 bought a farm in Monroe county, in this State, where he has since followed the business of fruit growing and market gardening, devoting at the present time about thirty acres to this pursuit. He was a member of the House of Representatives two terms, 1893 and 1895,

R. S. SEEDS was born in Huntingdon county, Pa., in 1852; was educated in the public schools and at the Shade Gap Academy. He was raised upon a farm and traveled for eighteen years among the farmers, selling agricultural implements. In 1892 he bought a farm that had been run down, which he has greatly improved.

A. W. STEPHENS was born in Westmoreland county, Pa., and received College training in this State, after which he went to Cornell University and was graduated from there in Agriculture in 1900. For eight years he managed a successful co-operation store and while at Cornell made a special study of co-operation among fruit growers. At present he is an Orchard Inspector for the Division of Zoology.

W. H. STOUT was born October 18, 1840, in Lower Nazareth township, Northampton county, Pa.; was educated in the common schools and engaged in various occupations, serving an apprenticeship at coopering and milling, at clerkship and traveling salesman; has lived on his present farm for the past twenty-eight years, and is engaged in general farming, trucking, fruit growing and bee-keeping; has acquired practical and scientific information by observation and study; speaks English and German.

HARVEY ADAM SURFACE, M. S., Economic Zoologist, was born on a farm in Warren county, Ohio, in 1867. He worked on the farm and attended and taught country school. He was educated in the Lebanon (Ohio) Normal, the Ohio State University, the University of Illinois, Hopkins (Stanford) California Seaside Laboratory and Cornell University. He taught in the Ohio State University, the University of the Pacific, Cornell, the Ithaca schools, teachers' institutes and the Pennsylvania State College. He held a fellowship in Cornell and was also appointed Dykman Research Fellow in Columbia University. He was field naturalist for the Illinois State Biological Station and University Extension lecturer in New York. He has also been lecturer in Zoology at the West Coast Chautauqua Assembly and scientific assistant on the United States Fish Commission. He has taught in every known grade of school work, and is noted for his enthusiasm and ability as a teacher, speaker and writer. He is ornithologist of the Pennsylvania State Board of Agriculture, and is making investigations of insects for the Pennsylvania State Department of Agriculture and of fishes for the Pennsylvania State Fish Commission. Among his writings are articles on nature study, zoology, mollusks, insects, fishes, birds, mammals, pedagogy, anatomy, etc. He is nature study editor of the "Popular Educator," ornithological editor of "American Gardening," member of the American Society of Naturalists, American Association for the Advancement of Science, the American Ornithologists' Union, the Pennsylvania State Audobon Society, etc. He makes a specialty of the biologic and economic features of his subjects. He was appointed Economic Zoologist by Governor Pennypacker in 1903, and re-appointed by Governor Stuart in 1907.

DR. I. A. THAYER was born near Warren, Ohio, in November, 1840. He was reared on a farm of which he was foreman for a number of years under a scientific and successful farmer; was educated in Hiram College, under the presidency of General Garfield. He graduated in medicine in 1866, and practiced that profession several years. Since laying down that practice he has been engaged in public speaking, having, during fifteen years, filled important

lecture engagements from Boston to St. Louis, under the management of the leading lyceum bureaus. He has recently finished the course in crop production and that in live stock production in our State College. For nine months in the year his time is given wholly to his farming operations, for years conducting a veritable experiment station where he has worked with a book in one hand and a hoe in the other; hence, he is equipped with a practical knowledge that he has the ability to express in the clearest manner.

PROF. H. E. VAN NORMAN is a native of Ontario, Canada, and is now 36 years of age. He grew up on farms in Nebraska, Illinois and Michigan, and early became acquainted with pure bred livestock through his father's association with a large importer and exhibitor of Holstein cattle and English draft horses, and by attendance at the old Chicago Fat Stock Show. Was appointed Farm Superintendent at Purdue University Agricultural Experiment Station, Lafayette, Ind.; after four years in this work he was appointed Professor of Dairy Husbandry, Pennsylvania State College of Agriculture, which position he now holds.

F. J. WAGNER was born on a farm near Claridge, Pa., in 1868; received a good common school education and later a course at a business college. Taught public school two terms and since has been regularly engaged in farming, devoting particular attention to dairying and the breeding of fine Jersey cattle. A few years ago he took up the Correspondence Course of the Pennsylvania State College, and has completed the course in Grain, Crops, Clovers, Grapes, Farm Manures and Stock Feeding.

MRS. MARY A. WALLACE is a daughter of the late Chester W. Ballou, Esq., one of the most successful and progressive of the pioneer farmers of Lawrence county, Pa. She was educated in the public schools and Beaver Seminary, Beaver, Pa., and previous to her marriage taught school in her home district. Later, to her household duties, she added newspaper work, and became widely known in literary and journalistic circles through her pen name, "Aunt Patience." Mrs. Wallace was a charter member of the Pittsburg Women's Press Club, and was its treasurer for a number of years. She is also prominent in patriotic societies, and is an honorary member of the One Hundredth Pennsylvania Volunteer (Roundhead) Association. She is in demand as a speaker for Memorial Day.

R. L. WATTS was born at Kerrmoor, Pa., June 5, 1869; raised on the farm of his father, Martin Watts, which farm was largely devoted to fruit culture. Entered Pennsylvania State College in 1887 and graduated from the agricultural course in June, 1890. He was elected assistant instructor in Botany and Horticulture of the University of Tennessee and horticulturist of the Agricultural Experiment Station of this institution in September, 1890. Later he was made Instructor of Horticulture, following by assistant professor of Horticulture and secretary of the Experiment Station. Besides the regular duties as secretary, he has charge of the Farmers' Institutes of the State, held under the auspices of the university and station; he prepared programs, conducted correspondence and participated in the meetings. While at the station he conducted various experiments with fruits and vegetables in the greenhouse and out of doors, the results of which have been published in bulletin form. He wrote Farmers' Bulletin No. 39 on "Onions," for the United States Department of Agriculture. For several years he was editor of the fruit and vegetable department of the "Southern Florist and Gardener;" he is now engaged at the State College.

D. H. WATTS was born near Kerrmoor, Pa., May 25, 1861; was raised on the farm of his father, Martin Watts, and educated in the public schools, which schooling was supplemented by a few months attendance at the Indiana State Normal School. He has always been interested in farmers' organizations and served two years as president of the Clearfield County Agricultural Society. He located upon his farm in 1886 and erected thereon modern buildings and established a dairy plant, where fine butter for a special trade is produced. The growing of fruits is also a specialty. On his farm, known as "Orchard View Farm," there are 3,000 apple, peach, pear and plum trees, all his own selection and planting.

B. H. WAYCHOFF was born and raised on a farm; was educated in public schools, and attended Monongahela College, graduating in the scientific course. Taught several years in public schools; also taught in Monongahela College, in Beaver College and in Beaver High School, and has had considerable experience in public speaking. At the age of twenty-three he bought a poor and almost abandoned farm, and by drainage, liming and raising clover, together with good tillage, it has been brought up to a good degree of productiveness.

W. THEO. WITTMAN, Allentown, Pa., was born and raised on a Lehigh county farm. From boyhood he has been, more particularly, interested in poultry and fruit growing and has made a notable success in both. He is however best known as an expert poultryman, beginning in a small way both as a practical and a fancy poultry breeder, making money at both, and holds to-day an enviable reputation as an all-round expert chicken man. Being in his element not only as a breeder and judge of the highest grade of poultry, but also well known as an enthusiastic writer and lecturer on his specialty. Being above all intensely practical and never prosy and thus holding a reader or hearer's attention from beginning to end.

WILLIAM HENRY WOLFF, B. S. Agr., was born in St. Georges, Bermuda Islands, December 25, 1880. Entered the regular four year course in agriculture at the Pennsylvania State College September, 1902, and completed the course with degree of B. S. Agr., June, 1906. During the last two years of college work specialized in horticulture. Appointed special field assistant to the Economic Zoologist of Pennsylvania during the summer of 1905, Special Orchard Inspector and Demonstrator for Division of Zoology, Department of Agriculture, Harrisburg, August 1905 to March, 1907. At present is with Hoopes Brothers and Thomas, the Maple Avenue Nursery Company, of West Chester, Pa.

S. PAUL WOODMAN was born on a farm near Rushland, Bucks county, Pa., where he has always lived. He was educated at a common public school, took a three years' course at the George School, near Newtown, Pa. Upon leaving the George School in 1898 he went to work on his father's farm for wages, where he worked until he took entire charge of the farm in 1905. At that time he was taking a correspondence course in agriculture at State College, Pa. He is engaged in general farming, fruit growing and market gardening.

MRS. SARAH BARTRUFF FRITZ ZEIGLER was born near Manheim, Lancaster county. Later moved with her parents to Perry county. Was educated in the public schools, New Bloomfield Academy and Juniata Valley Normal School. Previous to her marriage she taught school six winters. From 1890 to 1902 she manufactured and sold large quantities of jelly to the New York, Philadelphia and Boston markets. Was an active member of Prospect Grange and always held an office in the organization. She has always been deeply interested in agricultural pursuits and since her husband's death has conducted her farm of one hundred and forty (140) acres in an able manner, bringing it up to a high standard of production and adding improvements, believing that pleasant surroundings tend to a better and happier home life.